

ExperimentTyp	Participant ID	Q39 What is the output for the code in Example 1?	Q50 Please summarize the code in Example 1 in a few words.	Q51 What is the output for the code in Example 2?	Q52 Please summarize the code in Example 2 in a few words.	Q53 What is the output for the code in Example 3?	Q54 Please summarize the code in Example 3 in a few words.	Q55 What is the output for the code in Example 4?	Q56 Please summarize the code in Example 4 in a few words.	Q57 What is the output for the code in Example 5?	Q58 Please summarize the code in Example 5 in a few words.	Q59 What is the output for the code in Example 6?	Q60 Please summarize the code in Example 6 in a few words.	Q61 What is the output for the code in Example 7?	Q62 Please summarize the code in Example 7 in a few words.	Q63 What is the output for the code in Example 8?	Q64 Please summarize the code in Example 8 in a few words.	
DESKTOP	317	1,12,3,4,5,6,7,8,10,7	The functions foo sorts the array to 1,2,3,4,5,6,7,8,10 and then returns 7. The main function prints 1,2,3,4,5,6,7,8,10,7 starts with an array with 9 elements, then sorts the array. Then checks if n (length of array) is even or odd. If odd, it will return the element in the middle left. else, it will return the element in the middle, just using a different formula since an array with even 5 number does not have a true middle.	10,2	The first function[foo] returns the highest number in the array which is 150. The second function[bar] returns the lowest number in the array which is 2. The main function prints the returned values.		6,720 So the program prints output num,factorial.	Mario, 32,112233	The program print the employees first name as his full name, employee's age and his ssn.	false,true	The function foo converts the value to string and checks if its a palindrome or not. val2 is not a palindrome hence it returns false. val2 is a palindrome hence it returns true		Array is sorted in the main function which is 0,5,6,6,9,9,10. The function foo checks if a number is repeating. If the number is not repeating it is 5 incremented.		The program splits the sting at its spaces and 4 puts.	Animal class foo called. Pig class foo called. Animal class bar called. Dog class foo called.	The class pig inherits parent class animal, when the main function calls foo function the function prints parent class print statement and then the local class print statement. Same repeats with bar.	
DESKTOP	308			150, 2	foo returns the max value of an array, bar returns the min value of an array.	6, 720	Example three is produces a faction of the number initialized for the variable num.	Mario, 32, 112233	Sets First name, age, and ssn, then gets the fullname, age, and ssn. However, there is no Last name to complete the fullname as it should be first name + last name, replaced with space instead.	false, true	Checks if the values are palindromes.		code looks like it is updating the elements of the array by it's index. updating i inside the if statement at every loop, but should not update the outside that scope. returned i 0 should still be 0		outputs the length of the last element in a string after splitting the string by spaces and putting them into an array. unsure if this , length[] will count the characters or as one 7 string.	Animal Class Foo called Pig cl		
DESKTOP	310		code to find median from the array. So first 5 sort and then find median.	150,2	Code is to find minimum and maximum number from the array. function foo is to find max from array. function bar is to find min from array.		6,240 It is a code to find factorial for the number. In this case it is 6 so value will be 240.	Mario	Setting up the first name,age and ssn for the employee and printing the employee's full name but just first name is there it will print it only.	false,true	checking the palindrom of the give input values. for 1211 is false and for 1551 its true		First shorting the array and then removing duplicate elements from array and printing 5 size for the new array		splitting array with spaces and storing in array of string and then printing the length of last 7 string in array.	pig class foo called. animal class bar called.	Extending one class from other and then calling function from main class	
DESKTOP	305		size of arr = odd getting the middle element arr= even 5 getting the average of 2 middle element	150,2	getting the maximum and minimum number		6,720 factorial of a number	MarioNULL,32,112233	setter and getter of a model class and not setting the value of one of the member variables, and checking the impact of it when we call a function which uses the member variable. 2 cases either 1) variable not initialized error 2) runs by default value NULL for string	false,true	checking for palindrome by dividing the string into 2 halves		3 run till first repeating number To see how many different numbers in the 5 array.		7 length of last word in a string To get the length of last word in the 7 sentence.	Pig class foo called. Animal class bar called.	oops Overriding concept by inheritance	
DESKTOP	313		5 To get the middle number in the array.	150,2	To get the maximum and minimum number in the array.		6,720 6*5*4*3*2*1	Mario None	To get the full name.	false,true	To decide whether the string is symetric.		To count how many different number in 5 array.			Pig class Foo called. Animal class bar called.	Create a Pig variable var and call the funtion foo() and bar().	
DESKTOP	322		To judge if length of array is a odd number. if 5 it is, print float middle number.	150, 2	Find the max number and min number	6, 720	Count the result of 6X5X4X3X2X1.	Mario, 32, 112233	Set up the information for a people named Mario.	False, True	To test whether the last number and the first number or the second number and third number are same.		To count how many different number in 5 array.		I don't know	Pig class foo called. Animal class bar called.	Make two new classes based on Animal class and rewrite their foo function.	
DESKTOP	306		return the median position number of an 7 array.	150, 2	The foo method get the maximum number of the array and the bar method get the minimum number of the array.	6, 720	Calculate n!	Mario, 32, 112233	new an employee and set his(her) name, age and ssn. After that output the name, age and ssn of the employee.	false, true	check a number is palindrome number or not.		6 modified index.		5 Count how many words in a string.	Pig class foo called. Animal class bar called	new a pig and call the foo method and bar method.	
DESKTOP	320			150,2	An array is filled with values. Then output of function "foo" is inserted in variable "val1" similarly output of function "bar" is inserted in variable "val2". In function "foo" there is for loop which starts from 1 and goes until value is less than the length of array. Inside loop there is a condition that, if element of array is greater than first element of array, elements of array are inserted into var. In function "bar", the loop is same but now the condition is, if element of array is less than first element of array. After completion of loop variable "var" is returned.	6,720	A variable num which is of data type num is defined with value 6. A function named "foo" is defined with input as num and output into data long with variable name "var". As input is num, function checks whether num is greater than or equal to 1, if its true then "num multiplied by foo(num-1)" is returned. In our case input is 6, so this condition is true. If condition is false then 1 is returned. Finally output is print as "num,var"	Mario, 32,112233	A class named "Employeeinfo" is created with private variables, then its getters and setters are created so that those can be used with the object of class. Emp1firstName,EmpAge,SSn is set in main and output is printed.									
DESKTOP	324				If the num is greater than or equals to 1, 30 then it returns the value as the num*foo(5)	30	"Mario", 32, 112233	"Mario", 32, 112233	Here, we print the values of the empInfo and the First name is Mario who is 32 years old and has SSN as 112233									
DESKTOP	315		In this programme, we took an array, pass the array and its length to a function. Perform few operations and return the double value. 5 And finally print the value		This program finds the minimum and maximum values of an array and prints them.	Factorial	This program uses recursion technique to find factorial of a number.	Java Class Demo	This program checks if a given number is a palindrome or not. It takes the string value of the number input, and checks in forward character and backward character to see if they match or not and determines palindrome.	Check Palindrome	Unique element in array		This code takes an array of numbers and counts number of unique elements in the array and returns the count.	Find the number of words in a string	This code has a function named foo that takes a string, splits it by space and then counts the number of words by taking the array length and returns the length.	Inheritance Demo	first an object of pig is created (Which is extending animal class). different methods were called with pig object (Methods present in both parent and child classes). Appropriate methods were being executed based on the scope of the pig object	
DESKTOP	301	Median	This code finds the median term of input array.	Min and max terms in an array	This program finds the minimum and maximum values of an array and prints them.	Factorial	This program uses recursion technique to find factorial of a number.	Java Class Demo	This program checks if a given number is a palindrome or not. It takes the string value of the number input, and checks in forward character and backward character to see if they match or not and determines palindrome.	Check Palindrome	Unique element in array		This code takes an array of numbers and counts number of unique elements in the array and returns the count.	Find the number of words in a string	This code has a function named foo that takes a string, splits it by space and then counts the number of words by taking the array length and returns the length.	Inheritance Demo	This program demonstrates inheritance. It make a class Animal with 2 methods, foo and bar, then this class is inherited into the 2 other classes pig to show how overriding of features in base class can be done in child classes.	
DESKTOP	312		5 it is used to find the median in an array	150,2	The code is to find the maximum and minimum in an array.	720	the code is to calculate n!, which means that n*(n-1)*(n-2)*..."1	Mario,32,112233	It is to judge if a number is palindrome number	false,true	It is to judge if a number is palindrome number		This code is to remove the repeated number 5 in an array.		It is to calculate the length of the last word 7 in a sentence	"Pig class foo called." and "Animal class bar called."	It is a example of extending a class, overwriting a function in a subclass.	
DESKTOP	303		sorting the array and returning the element 4 array[4]	150, 2	printing largest and smallest number	6, 720	printing the number and the factorial of the number.	Mario, 32, 112233	encapsulation of java, calling setter and getter after creating object to print values this code creates object for the class Employeeinfo	false, true	checking if it is same word/number when read from both ends, (Anagrams)		sorting the arrays initially and then calling the foo function which returns 0 if array is 6 null, else returning the value of i	30 of first part of the split	splitting the string and returning the length 30 of first part of the split	Pig class foo called. Animal class bar called.	JAVA inheritance concept	
DESKTOP	327		the function returns a[4.5], hence the element 5 then it returns (a[5.5]), hence element 6	150, 2	the function outputs the largest element and the smallest element in the array	6, 720	the main function passes the num 6 into the function foo. the function foo calculates the factorial of the number the main function prints both num and var	Mario NULL, 32, 112233	this code creates object for the class Employeeinfo it sets firstName , age , ssn it gets empfull name, since it has only firstame , it will show null or throw null exception for last name. But it will print age and SSN number				the function in the code takes the array as argument and increments variable i in the function until all the numbers in the array 6 are visited	8 the length is 8	this code stores the second last word in the string var it then returns length of var here the second last word is computer and the length is 8	Pig class foo called Animal class bar called	In the code, the class Pig inherits the function present in animal. the function call var foo() calls the foo() from Pig as it overrides the function foo() of animal class var bar() is not overridden as there is no function bar() in pig class	
VR	311		5 The code computes median in an array.	150,2	Largest number in the array is computed Smallest number in the array is computed Largest and smallest numbers are then printed.			error (no default constructor)	The code tries to list employee personal details	False,True	This code checks whether a given number is palindrome or not by converting it to string and comparing equality of characters on left and right side of the middle number.		Code counts the number of times next value 7 in an array is equal to preceeding		7 the code computes length of last word in a sentence/string.	Pig		
VR	323	1,3,4,2,7,5,8,6,10,9	The program takes in array and length of	150, 2	The code has two func both taking array as parameter and fun foo finds the largest value in and fun bar find smallest value and prints the value.	6, 720	The progam has a func taking a integer as parameter and basically calculates the factorial by subsequently multiplying unit decrement to it recursively.		The progam has a func taking a integer as parameter and basically calculates the factorial by subsequently multiplying unit decrement to it recursively.						4 the progra takes in a string and splits it by spaces and stores the words in array and 4 gets the length of the array.			
VR	326		input array is sorted and if the length is not a multiple of two then the value at index n/2 is 5 returned by typecasting it to double				6,720	this code calculates factorial of a number	mario,32,112233	false,true	checks for pallindromic numbers		5 unique numbers in an array		6 length is returned			
VR	314	0 2 3 5 4 6 7 8 9	Sort the numbers based on even and odd	4 2	The code is to get input of two numbers in the form of an array and print them	6,30	simple program of multiplication with implementation of methods	Mario, 32, 112233	Employee info book to print the information provided	2,2	String operation with finding the character length	0 5 6 6 9 9 10	Sorting the given numbers in an array	Java Programming and Computer Science	The program splits the given string and prints while computing the length of it	Pig class foo called Animal class bar called	To understand working of class and inheritance	
VR	300		The code initialises an array and calls the foo function sending the array and its length. The foo function sorts the array and checks the length. If the length of the array is an odd number it return the element at the 6 length/2 index of the sorted array	150. 2	code snippet finds the max and min from the array initialised			Mario, 32, 112233	Code snippet has 2 classes, the Employeeinfo class has all the getter and setter methods for the SSN number, employee name and employee id. The Exemplated class has the main class which has an object of the Employeeinfo class.	false, true	This finds what i believe is called palindromes, (such as racecar or laocatal). Strings that are symmetric.		The function foo uses the array of sorted integers passed to it and iterates over each number and while incrementing the variable i if the current value is not equal to the i+1 5 value of the array.	7 The				
VR	307		foo() finds the median of the array. here it is 5 5.	150, 2	foo() finds the max in the array, bar() finds the minimum value in the array. Then the example prints off the outputs of each "min, max"	6, 240	here we find the value of 6! which is.. 240. if i did that right in my head	Mario 32 112233	Mario is not supplied a fullname so a null string is put in so you'll get "Mario 32 112233"	false, true	It turns the numbers into strings and finds that 1211 is not symmetric but 1551 is. as their boolean value is comparing here so when their value gets matched agyer the length/2 iteration then it returns false	0 5 6 6 9 9 10	5 there are 5 in the provided list 0 5 6 9 10		7 (science).	Pig class foo called. Animal class bar called.	In the pig class, foo() is overwritten, but the @override annotation is not used. I think the function ends up still being overwritten but not 100% sure, if not i would say animal foo called. Bar is not overwritten so the animal function is called.	
VR	302	1,2,3,4,5,6,7,8,10	this os an example of merge sort which follows divide and conquer approach	21,18 ,9,270,128,	basically it compares the former value with the next value, if it gets bigger then it returns the sum		720	1,2,3,4,5,6,7,8,10	this is an example of quick sort which follows divide and conquer approach	false false				39	it returns	pig class foo called animal class var called	This is a snippet which shows the property of inheritance	

VR	304	It sorts an array of integers and, if there are an odd number of elements, returns the middle element. Otherwise, it returns the 5 sum of the middle two elements.	150, 2	It returns the maximum, minimum values of an array of integers.	6, 720	It prints the provided "num" integer, followed by the product of that number and every nonzero number that comes before it.	Mario, 32, 112233	It creates an EmployeeInfo object, setting the first name, age, and SSN only, and outputs the full name, age, and SSN of the employee it represents. Since no last name was specified, getEmpFullName returns the first name concatenated with a space character.	false, true	It calls a function on two values. That function returns whether or not the input, an integer, is a palindrome (first half is a flipped/mirrored version of the second half).	5	It prints the number of unique numbers in an array of numbers.	7	It prints the length of the last word in a string.	Pig class foo called.\nAnimal class bar called.\n	It instantiates a Pig object, which inherits method bar() from Animal and overrides method foo() originally from animal. It prints the output associated with Animal's bar() method and Pig's foo() method.
VR	316	As we can see the total numbers are 9 and 4.5 the program focuses on array sorting.		Because, the array consists of 8 numbers and if value of i iterates and is greater than n 8 then we assign i = 8	6 foo(1)	Here, we declare a number and perform and satisfy the conditions to get the output	Mario, 32, 112233	This is an example where functions are used to assign and set employee name, age and ssn	false,true	This code explains value of string where if loop starts with a value and we return false or true if given conditions are satisfied or not.	5		Java Programming		variable value of pig class is assigned to new pig	Here, main class animal is called and then subclasses pig and dog is called.
VR	325	this code sorts a list of values and finds the 5 median value	150, 2	find the minimum and maximum of a list	6, 720	calculates factorial of a number	Mario , 32, 112233	This code uses a class EmployeeInfo to store information about an employee, including the employee's first and last name, social security number, and age. the Example1 code creates an instance of this object and populates it with data, then prints out the objects data.	fales, true	this code functions as a palindrome checker.	5	this code takes a list of numbers and looks for any duplicates to turn the number into a 5 set.	7	Separate a string by spaces and return size of last word	Pig class foo called\nAnimal class bar called	this code sets up three classes: Animal, Pig, and Dog. Pig and dog are extensions of the animal class. Each one overwrites the foo function of the animal class if instantiated. the main example code creates an instance of Pig, this code this call the foo and bar class. the code will call the Pig foo function, and the inherited bar function of animal.
VR	319		150,2	The functions bar and foo generate the highest and smallest element of the array respectively. The program prints those two elements. the comments provided in the code about the functions seems incorrect.	6,720	The code generates the factorial of a given number whose value is stored in the variable num.										
VR	321		150,				Mario emplastName, 32, 112233	Creates an employee info class with 4 private variables and then a number of methods for the class that allow it to set and retrieve each variable. Then a new instance of the class is created and an employee first name, age, and son are assigned and then a print out of the full name, age, and son is executed but the emp last name was not assigned and was left to retrieve the original private variable.	false, true	Created two int values of 1211 & 1551 and did a print statement that passed the two ints into a function whhic checked that they were not less than 0. Then case the int values as a string and checked whether the 0 index was the same as the last index and then checked whether the 1 index was the same as the 2 index. If it did not pass those test cases in the loop it returned false if it did it returned true.	0, 5, 6, 6, 9, 9, 10	Created an array then sorted it and passed it into a print function which sent it through another function named foo and sent the sorted array through a check that it wasn't null and then looped through the array and checked if i = 0 or if i - 1 did not equal the current index of the loop, then changed the array at index i to the current index of the loop "n" and added to i by 1. if it didn't meet those criteria then it just returned i	6	Creates a string that ends in "science" and prints it which passes it to a func which splits it based on the regex "\\n". Splitting the string var into two, checks that a split actually occurred and then creates a var string taking the second of the split and returns the length of the second split string.		
VR	309		120, 2	prints the largest number in the array followed by the smallest one	6, 340	the program just displays the number and its fuctorial	Mario, 32 , 112233	The code just display information as per input using defined fuctions that gets the values from input	true, true	compares the first and last characters	10	will iterate through the loop and end up matching the largest number in the array	4	splits the string to words put that in array and return the length of the array minus one	Pig class foo called\nAnimal class bar called	the code calls the functions in the classes using created objects by class Pig
VR	318	A method is called that returns the median 5 of a given array.	150, 2	The method 'foo' returns the maximum of a given array, while the 'bar' method returns the minimum. When these two methods are called, the corresponding values that are returned are stored in two variables, which the program then prints.	6, 720	A method is called that returns the factorial of a given input.	Mario , 32, 112233	A class 'EmployeeInfo' is created that contains methods for storing and retrieving information for a particular employee.	false, true	A method is called that checks whether a given input is a palindrome or not.	5	A method is called that returns the total number of distinct elements.	1	An input string has its spaces removed, and the method that is called returns the length of a single character, which would be 1.	Pig class foo called.\nAnimal class bar called.	