

ExperimentType	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14
ExperimentType	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14
Participant ID	What is the output for the code in Example 1?	Please summarize the code in Example 1 in a few words.	What is the output for the code in Example 2?	Please summarize the code in Example 2 in a few words.	What is the output for the code in Example 3?	Please summarize the code in Example 3 in a few words.	What is the output for the code in Example 4?	Please summarize the code in Example 4 in a few words.	What is the output for the code in Example 5?	Please summarize the code in Example 5 in a few words.	What is the output for the code in Example 6?	Please summarize the code in Example 6 in a few words.	What is the output for the code in Example 7?	Please summarize the code in Example 7 in a few words.
DESKTOP	317 1,12,3,4,5,6,7,8,10,7	The function 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	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.	The function in the program allows you to find the factorial of the number 6! = 6*5*4*3*2*1*2*1.	6,720 So the program prints output num.factorial.	The program print the employees first name as his full name, employee's age and his ssn.	Mario,32,112233	false,true	The function foo converts the value to string and checks if its a palindrome or not. Val1 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 or not. If the number is repeating then it is not a palindrome hence it returns false. if the number is not repeating it is 5 incremented.	4	Animal class foo called. Pig class foo called. Animal class bar called. Dog class foo called. Same repeats with bar.
DESKTOP	308 5	5 number does not have a true middle.	150, 2	foo returns the max value of an array, bar returns the min value of an array. Code is to find the min and maximum number from the array.	6,720 Example three is produces a facotion of the number initialized for the variable num.	Mario, 32, 112233	Gets 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 its index, updating i inside the if statement at every loop, but should not update the i 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, ensure if this.length will count the characters or as one 7 string.	4 puts.	Animal Class foo called Pig cl	
DESKTOP	310 5	code to find median from the array. So first 5 sort and then find median.	150,2	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 first name and printing the employee's first name but just first name is there it will print it only.	false,true	First shorting the array and then removing duplicate elements from array and printing 5 size for the new array	splitting a 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.	7	Extending one class from other and then calling function from main class	
DESKTOP	305 5	size of arr = odd getting the middle element arr even	150,2	getting the maximum and minimum number	6,720 factorial of a number	MarioNULL,32,112233	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	7 length of last word in a string	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 symmetric.	To see how many different numbers in the 5 array.	To get the length of last word in the 7 sentence.	Pig class foo called. Animal class bar called.	Create a Pig variable var and call the funtion foo() and bar().	
DESKTOP	322 5	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 6*5*4*3*2*1.	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.	5 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 7	return the median position number of an 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".		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 long with variable name "var".	6,720	Mario,32,112233	A class named "Employeeinfo" is created with getters and setters so that it can be used with the object of class. EmpFirstName,EmpAge,SSn is set in main and output is printed.							
DESKTOP	324 5	In this programme, we took an array, pass the array and its length to a function. Perform few operations and return the double value.		If the num is greater than or equals to 1, 30 then it returns the value as the num*foo(5)	6,720 "Mario", 32, 112233	Mario null, 32, 112233	Here, we print the values of the empinfo and the First name is Mario who is 32 years old and his SSN is 112233	false, true	In this programme we are just playing with the digits in val1 and val2 and returning the true or false values based on the code.			pig class foo called	Animal class bar called	
DESKTOP	315 5	And finally print the value		This program finds the minimum and maximum values of an array and prints them.	Java Class Demo		If the num is not set that value will be null.	false, true	This program checks if a given number is a palindrome or not. It takes the string value of the given input, and checks in forward character and backward character to see if they match or not and determines palindrome.	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	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 an array.	Min and max terms in an array.	This program uses recursion technique to find factorial of a number.	Check Palindrome		This code establishes a class to describe an employee and we can set up the information to get information from an object of this class.	false	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 an example of extending a class, overwriting a function in a subclass.		
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 n*(n-1)*(n-2)*...*1	Mario,32,112233	it is to judge if a number is palindrome number	false, true	sorting the arrays initially and then calling the foo function which returns 0 if array is 6 null, else returning the value of i	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	303 4	sorting the array and returning the element 4 array[4]	150, 2	printing largest and smallest number	6,720	Mario, 32, 112233	encapsulation of java, calling setter and getter after creating object to print values	false, true	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	the code stores the second last word in the string var it then returns length of var here the second last word is computer and 8 the length is 8	Pig class foo called Animal class bar called	In the code, the class Pig inherits the functionality in animal. the function 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		
DESKTOP	327 5	the function returns a[4,5], hence the element 5		the main function passes the num 6 into the function foo.			the function foo calculates the factorial of the number.		This code checks whether a given number is palindrome or not by comparing 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 preceding	The code computes length of last word in a 7 sentence/string	Pig	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 to show how overriding of features in base class can be done in child classes.	
VR	311 5	The code computes median in an array.	150,2	Largest number in the array is computed	error (no default constructor)		The program has a func taking a integer as parameter and funn fun finds the largest value in and funn bar finds smallest value and prints the value.	6,720	The code tries to list employee personal details	Code counts the number of times next value 7 in an array is equal to preceding	The code computes length of last word in a 7 sentence/string	Pig	The program takes in a string and splits it by spaces and stores the words in array and 4 gets the length of the string.	
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 funn fun finds the largest value in and funn bar finds smallest value and prints the value.	6,720	mario,32,112233	this code basically deals with creation of an object and assigning values to its properties	false, true	checks for palindromic numbers	5 unique numbers in an array	J a v a P r o g r a m i n g a n d C o m p u t e r S c i e n c e	The program takes in a string and splits it by spaces and stores the words in array and 4 gets the length of the string.		
VR	326 5	input array is sorted and if the length is not a multiple if two then the value at index n/2 is 5 returned by typecasting it to double		6,720 The code is to get input of two numbers in the form of an array and print them	4 2	Mario, 32, 112233	String operation with finding the character length	2,2	String operation with finding the character length	6 length is returned	The program splits the string into spaces and stores the words in array and 4 gets the length of the string.			
VR	314 1 2 3 5 4 6 7 8 9	Sort the numbers based on even and odd		code snippet finds the max and min from the array initialised	6,30	Mario, 32, 112233	Code snippet uses the integer value passes to the function foo, the function foo converts the integer to a string and iterates through it till length/2 and checks if the value at i is not equal to the value at index length-1 if the value is not equal then returns false.	false, true	Code snippet uses the integer value passes to the function foo, the function foo converts the integer to a string and iterates through it till length/2 and checks if the value at i is not equal to the value at index length-1 if the value is not equal then returns false.	5 value of the array.	7 The	This is a snippet which shows the property of inheritance		
VR	302 1,2,3,4,5,6,7,8,10	this is an example of merge sort which follows divide and conquer approach	21,18,9,270,128,	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	Mario 32 112233	Here we find the value of 61 which is... 240.. if i did that right in my head	false, true	This finds what i believe is called palindromes, (such as racecar or tacocat). Strings that are symmetric.	5 there are 5 in the provided list 0 5 6 9 10	Foo() finds a string and splits it on a spaces. It takes the last element of the array (the last word) and prints out the length of that word 7 (sentence).	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 it would say animal foo .called. Bar is not overwritten so the animal function is called.	
VR	300 6	code snippet finds the max and min from the array initialised	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"	6,720	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 1231 is not symmetric but 1551 is.	0 5 6 9 9 10	the sort is happened is insertion sort started from n length	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 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, getEmpInfo() will return 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. Since no last name was specified, getEmpInfo() will return the first name concatenated with a space character.	It prints the number of unique numbers in an 5 array of numbers.	It prints the length of the last word in a 7 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. this code sets up three classes: Animal, Pig, and Dog. Pig and dog are extensions of the animal class. Animal has its own foo() function of the animal class. If instantiated, the main example code creates an instance of Pig. this code call the foo and bar class. the code will call the Pig foo function, and the inherited bar function of animal.	
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. The function 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	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 example code creates an instance of this object and populates it with data, then prints out the objects data.	false, true	this code functions as a palindrome checker.	5 set.	the code is mainly about string split operation. Now, if for given example we split the string letter by letter and we get the output in descending order of the given string	Separate a string by spaces and return size of 7 last word	Pig class Foo called Animal class bar called	
VR	319		150,2		6,720	The code generates the factorial of a given number whose value is stored in the variable num.	Mario empLastName, 32, 112233	Creates an employee info class with 4 private variables. It has two 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 ssn are assigned and then a print method of the full name, age, and ssn is executed but since the 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 which was sent through another print function which then 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 of the current index of the loop "n" and added to i by 1. If it didn't meet those criteria then it just returned.	Created an array then sorted it and passed it into a print function which then 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 of the current index of the loop "n" and added to i by 1. If it didn't meet those criteria then it just returned.	Creates a string that ends in "science" and prints it which passes it to a func which splits it based on the regex "\\". 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 6 returns the length of the second split string.			
VR	321		150,				Mario empLastName, 32, 112233	The code just display information as per input using defined functions that gets the values from input	false, true	will iterate through the loop and end up matching the largest number in the array	10	will iterate through the loop and end up matching the largest number in the array	splits the string to words put that in array 4 and return the length of the array minus one	Pig class Foo called Animal class bar called	the code calls the functions in the classes using created objects by class Pig
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 factorial	Mario , 32, 112233	compares the first and last characters							The Pig class has a function named "Animal" class. The "Animal" class has its foo function will print the corresponding statement as defined in the class. Since the "Pig" class does not have a method "bar" that can override the one present in the "Animal" class, it will print the statement according to the aforementioned class.
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 min. When these two methods are called, the two resulting 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 number of distinct elements.	An input string has its spaces removed, and the method that is called returns the length 1 of a single character, which would be 1.	Pig class Foo called Animal class bar called		