Java Se Assignments

Topic - Loops & Array

Array Question

Q 1 - Write a program to take input from the user according to given examples and find the sum of the Array elements.

Example:

Input : Enter Size of array: 5

    Enter the array element: 1 2 3 4 5

Output : The Sum of the given Array is :15

Q 2 - Write a program to take input from the user according to given examples and find the maximum value and minimum values of given Array.

Example:

Input: Enter the Size of array : 5

    Enter the array element: 4 6 2 7 8

Output : The maximum value of given array is : 8

    The minimum value of given array is : 2

Q 3 - Write a program to take input from the user according to given examples and sort the array in descending order.

Example:

Input: Enter the Size of array : 5

    Enter the array element: 4 6 2 7 8

Output : The maximum value of given array is : 8 7 6 4 2

Q 4 - **Write a program to take input from user according to given examples and search the element in given array if find the element then print "Found !" else "Not Found !".**

Example:

Input : Enter the Size of Array: 6

      Enter the array element : 5 8 4 2 7 1

      Enter the element to found : 2

Output : Found !

Q 5 - **Write a program to take input from user according to given examples and print the next number of given elements.**

Example:

Input : Enter the size of Array : 4

      Enter the array elements: 4   6   2   8

Output : The next number of given array is : 5 7 3 9

Q 6 - **Write a program to take input from user according to given examples and print the all even number first then print odd number of given array elements .**

Example:

Input: Enter the size of element : 6

      Enter the array elements : 2 5 7 4 6 9

Output: The order of Output : 2 4 6 5 7 9

Loop Question

Q1 - Two numbers are entered through the keyboard. Write a java program to find the value of one number raised to the power of another. (Do not use Java built-in method)

Example:

Input : Enter the base Number : 5

Enter the power   : 4

Output : Result: 625

Q2 - Write a java program that prompts the user to input an integer and then outputs the number with the digits reversed.

For example,

if the input is 12345, the output should be 54321.

Input : Enter the number 12345

Output : Reverse of 12345 is 54321

Q3 - Write a java program to take an input from the user that reads a set of integers, and then prints the sum of the even and odd integers.

Example :

Input : Enter the number: 12

Do you want to continue y/n? Y

Enter the number : 15

Do you want to continue y/n? N

Output : Sum of even numbers: 12

Sum of odd numbers: 15

Q 4 - Write a program that prompts the user to input a positive integer. It should then output a message indicating whether the number is a prime number.

Example :

Input : Enter the positive integer: 10

Output : Number is not prime

Q 5 - Write a java program to accept two numbers from the user then calculate HCF.

Example :

Input : Enter the first number :11

Enter the second number :22

Output : HCF: 11

Q 6 - Write a java program to do-while loop that asks the user to enter two numbers. The numbers should be added and the sum displayed. The loop should ask the user whether he or she wishes to perform the operation again. If so, the loop should repeat; otherwise it should terminate.

Example :

Input : Enter the first number: 3
Enter the second number: 15

Output : Sum of numbers: 18
Do you want to continue y/n? y

Input : Enter the first number: 12
Enter the second number: 10

Output : Sum of numbers: 22
Do you want to continue y/n? n

Please complete these assignments yourself with your honesty. After that, upload your answer by using the below link

Link: bit.ly/scaassignment

Thanks & Regards
Team SCA