Assignment :

1. Complete the Command Line Arguments code

2. Complete the basic console Input code

3. Complete the Calculator Program as explained in the class using menu driven program, switch case, do while, etc.

4. Work on the following exercises

1. Write a Java program to print the area and perimeter of a circle, take the Radius as an input from the user.

Test Data:

Radius = 7.5

Expected Output

Perimeter is = 47.12388980384689

Area is = 176.71458676442586

2. Write a Java Program which accepts the number of integer values the user wishes to enter, then accept all integer values and display the same. Now add the numbers and display the result

Test :

Enter the number of integer values you wish to add

10

Enter the value

29

Enter the value

99

Enter the value .......

Expected Output

Total of the above values

3. Write a Java program to create & display unique three-digit number using 1, 2, 3, 4. Also count how many three-digit numbers are there.

Expected Output

123

124

...

431

432

Total number of the three-digit-number is 24

4. Write a Java program that accepts three integers from the user and return true if the second number is greater than first number and third number is greater than second number.

Sample Output:

Input the first number : 5

Input the second number: 10

Input the third number : 15

The result is: true

5. Write a Java program to convert seconds to hour, minute and seconds.

Sample Output:

Input seconds: 86399

23:59:59

6.Write a Java program to compute the sum of the first 100 prime numbers.

Sample Output:

Sum of the first 100 prime numbers: 24133

7. Write a Java program to test if the first and the last element of an array of integers are same. The length of the array must be greater than or equal to 2.

Test Data: array = 50, -20, 0, 30, 40, 60, 10

Sample Output:

False

8. Write a Java program to rotate an array (length 7) of integers in left direction. The rotated data should be stored in a new array.

Sample Output:

Original Array: [10,20, 30, 40,50,60,70]

Rotated Array: [70,60,50,40,30,20,10]