CSE-2214

Object Oriented Programming Sessional

Week-02

(JAVA Basic)

Task-1

Write a simple JAVA program that calculates the sum of all numbers between 1 to 100.

Task-2

Write a JAVA program that reads 10 numbers from the user, then prints out how many positive numbers and negative numbers user has entered (consider 0 a positive number).

Task-3

Write a JAVA program that reads an integer **n** from the user and print the following pattern.

For n = 5

```
        1
      1 2
    1 2 3
  1 2 3 4
1 2 3 4 5
```

Task-4

Write a JAVA program that asks the user to enter two numerical values (integers) and then select an operation (*addition, subtraction, multiplication* and *division*). Finally, prints the result based on operation selected. Use **switch-case** statement.

Use the following input/output format (text shown in boldface is supposed to be user input):

```
Enter first number: 4
Enter second number: 2

1. Addition (+).
2. Subtraction (-).
3. Multiplication (*).
4. Division (/).
Enter operation number: 3

The result is 8
```

Task-5

Write a JAVA program that first reads an integer *n* from the user, then reads another *n* integers and stores them into an array. Finally, it will ask for another integer *p* from the user and find the occurrences of *p* in the array. Use enhanced for-loop to search through the array.

Use the following input/output format (text shown in boldface is supposed to be user input):

```
Enter the number of elements: 6
Enter 6 integers: 3 8 2 3 1 0
Enter the number to search: 3
3 occurred 2 times in the array.
```