



LEADING UNIVERSITY, SYLHET

Dept. of Computer Science & Engineering

**An Assignment on
Topic
Basic JAVA**

Course Code: CSE-2213

Course Title: Object Oriented Programming

Submitted To:

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Designation:

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```
1 package task1;
2
3 public class Task1 {
4
5     public static void main(String[] args) {
6         int num = 100, sum = 0;
7
8         for(int i = 1; i <= num; ++i)
9         {
10             sum += i;
11         }
12
13         System.out.println("Total sum between 1 to 100 is " + sum);
14
15     }
16
17 }
18
```

```
1
2 package task2;
3 import java.util.Scanner;
4
5 public class Task2 {
6
7     public static void main(String[] args) {
8         Scanner input = new Scanner(System.in);
9         int count=0,negative=0,positive=0;
10
11         System.out.print("Enter an an integer (Program ends if enter 0):");
12         int data = input.nextInt();
13
14         while (data !=0) {
15             if (data < 0) {
16                 negative++;
17             }
18             else if (data > 0) {
19                 positive++;
20             }
21             count++;
22
23             System.out.print("Enter an integer (Program ends if enter 0): ");
24             data = input.nextInt();
25         }
26         System.out.println(positive + " positive numbers");
27         System.out.println(negative + " negative numbers");
28     }
29 }
30
31
```

```
1 package task3;
2 import java.util.Scanner;
3 public class Task3 {
4
5     public static void main(String[] args) {
6
7         int i, j, r;
8         Scanner sc = new Scanner(System.in); //Taking rows value from the user
9         System.out.println("Enter the number of rows: ");
10        int rows = sc.nextInt();
11        for (i = 0; i < rows; i++) {
12            r = 1;
13            for (j = 2 * (rows - i); j >= 0; j--) {
14                System.out.print(" ");
15            }
16            for (j = 0; j <= i; j++) {
17                System.out.print(r + " ");
18                r++;
19            }
20            System.out.println();
21        }
22    }
23 }
24
25
```

```
1 package task4;
2 import java.util.Scanner;
3 public class Task4 {
4
5     public static void main(String[] args) {
6         double N1, N2;
7         Scanner scanner = new Scanner(System.in);
8         System.out.print("Input 1st number:");
9
10        N1 = scanner.nextDouble();
11        System.out.print("Input 2nd number:");
12        N2 = scanner.nextDouble();
13
14        System.out.print("1. Addition (+).\n" + "2. Subtraction (-).\n" + "3. Multiplication (*).\n" + "4. Division (/).\n");
15        System.out.print("Enter operation number:");
16        char operators = scanner.next().charAt(0);
17        scanner.close();
18        double result;
19
20        switch(operators)
21        {
22            case '1':
23                result = N1 + N2;
24                break;
25
26            case '2':
27                result = N1 - N2;
28                break;
29
30            case '3':
31                result = N1 * N2;
32                break;
33
34            case '4':
35                result = N1 / N2;
36                break;
37
38            default:
39                System.out.printf("You have entered wrong operator");
40                return;
41        }
42
43        System.out.println("\nThe result is " + result);
44    }
45
46 }
```

```
1 package task5;
2 import java.util.Scanner;
3 public class Task5 {
4     public static void main(String[] args) {
5         int n, x, count=0;
6         Scanner input = new Scanner(System.in);
7         System.out.print("Enter the number of elements:");
8         n = input.nextInt();
9         int [] number = new int[n];
10        System.out.print("Enter "+n+" integers: ");
11        for(int i=0; i<n; i++){
12            number[i] = input.nextInt();
13        }
14        System.out.print("Enter the number to search: ");
15        x = input.nextInt();
16        for(int i = 0; i < n; i++)
17        {
18            if(number[i] == x)
19            {
20                count++;
21            }
22        }
23        System.out.print(x+ " occurred "+count+ " times in the array.");
24    }
25 }
```