



LEADING UNIVERSITY, SYLHET

Dept. of Computer Science & Engineering

An Assignment on Basic JAVA

Course Code: CSE-2214

Course Title: Object Oriented Programming Sessional

Submitted To:

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Task – 1

```
1 public class Task_1 {
2     public static void main(String[] args) {
3         int n = 0;
4         for(int i=1;i<101;i++) n += i;
5         System.out.println("Summation of all numbers from 1 to 100: " + n + "\n");
6     }
7 }
8
```

Task – 2

```
1 import java.util.Scanner;
2 public class Task_2{
3     public static void main(String args[]){
4         Scanner input = new Scanner(System.in);
5         int pos=0,neg=0,n;
6         System.out.print("Enter 10 integers: ");
7         for(int i=0;i<10;i++)
8         {
9             n = input.nextInt();
10            if(n>-1) pos++;
11            else neg++;
12        }
13        System.out.println("Positive Numbers: " + pos);
14        System.out.println("Negative Numbers: " + neg);
15    }
16 }
17
```

Task - 3

```
1 import java.util.Scanner;
2 public class Task_3{
3     public static void main(String args[]){
4         Scanner input = new Scanner(System.in);
5         System.out.print("Enter an integer: ");
6         int n = input.nextInt();
7         for(int i=1;i<=n;i++)
8         {
9             for(int j=n-i;j>0;j--)
10            {
11                System.out.print("  ");
12            }
13            for(int k=1;k<=i;k++)
14            {
15                if(k!=1)
16                    System.out.print(" " + k);
17                else System.out.print(k);
18            }
19            System.out.print("\n");
20        }
21    }
22 }
```

Task – 4

```
1 import java.util.Scanner;
2 public class Task_4{
3     public static void main(String args[]){
4         Scanner input = new Scanner(System.in);
5         System.out.print("Enter first number: ");
6         int num1 = input.nextInt();
7         System.out.print("Enter second number: ");
8         int num2 = input.nextInt();
9         System.out.println("\n1. Addition (+).");
10        System.out.println("2. Subtraction (-).");
11        System.out.println("3. Multiplication (*).");
12        System.out.println("4. Division (/).");
13        System.out.print("Enter operation number: ");
14        int op = input.nextInt(),x;
15        switch(op)
16        {
17            case 1: x = num1+num2;
18                    System.out.println("\nThe result is " + x);
19                    break;
20            case 2: x = num1-num2;
21                    System.out.println("\nThe result is " + x);
22                    break;
23            case 3: x = num1*num2;
24                    System.out.println("\nThe result is " + x);
25                    break;
26            case 4:
27                    if(num2==0) System.out.println("\nInvalid Operation");
28                    else{ float y = (float)num1/num2;
29                            System.out.println("\nThe result is " + y);}
30                    break;
31            default: System.out.println("\nWrong Choice.");
32        }
33    }
34 }
35 }
36 }
```

Task – 5

```
1 import java.util.Scanner;
2 public class Task_5 {
3     public static void main(String[] args) {
4
5         Scanner input = new Scanner(System.in);
6         System.out.print("Enter the number of elements: ");
7         int n = input.nextInt();
8
9         System.out.print("Enter " + n + " integers: ");
10        int ary[] = new int[n];
11
12        for(int i=0;i<n;i++) ary[i] = input.nextInt();
13        int cnt=0;
14        System.out.print("Enter the number to search: ");
15        int srch = input.nextInt();
16        for(int x : ary)
17        {
18            if(x==srch) cnt++;
19        }
20
21        System.out.println(srch + " occurred " + cnt + " times in the array.");
22    }
23 }
```

Problems and Pitfalls

The main problem that I faced during doing the assignments is that my computer is somewhat incompatible with Netbeans. I had to manually install some plugins and activate them later on to make Netbeans work in my computer. But still, it wasn't going in the right direction.

So, I had to change Netbeans and install Eclipse. It's doing well. At least, I'm not in a pitfall. When I was using Netbeans, my computer became super slow. It was so frustrating. Thanks to Almighty Allah, I have found a solution and saved my precious time.

Alhamdulillah. Other than that, I solved the problems with no difficulty. It was simple and easy. I enjoyed solving these problems with JAVA. It was a new experience.