Week - 1

1) Write a Java Program to Print an integer.

```java
import java.util.Scanner;
public class First {

    public static void main(String[] args) {
        Scanner in = new Scanner(System.in);
        System.out.print("Enter a number: ");
        int number = in.nextInt();
        System.out.println("You entered: "+
                            number);
    }
}
```

```
Microsoft Windows [Version 10.0.22621.2715]
(c) Microsoft Corporation. All rights reserved.

D:\java\week 1>javac First.java

D:\java\week 1>java First
Name: Aditya Dinesh Netrakar
Usn: 1BM22CS017
23
You entered: 23

D:\java\week 1>
```

2) Java Program to check whether a number is Even or Odd.

```java
import java.util.Scanner;
public class Second {
    public static void main(String[] args)
    {
        int num;
        System.out.print("Enter an Integer
                            number: ");
        Scanner in = new Scanner(System.in);
        num = in.nextInt();
```

```java
if (num % 2 == 0)
    System.out.println(num + " is an
                                even number");
else
    System.out.println(num + " is an odd
                                number");
    }
}
```

Output:

enter an integer number

2

2 is an even number.

```
D:\java\week 1>javac Second.java

D:\java\week 1>java Second
Name: Aditya Dinesh Netrakar
Usn: 1BM22CS017
Enter an Integer number: 12
12 is an even number

D:\java\week 1>javac Second.java

D:\java\week 1>java Second
Name: Aditya Dinesh Netrakar
Usn: 1BM22CS017
Enter an Integer number: 7
7 is an odd number

D:\java\week 1>
```

3) Java Program to Print Right Triangle Star Plan.

```java
public class Third {
    public static void main(String[] args) {
        int row, column, n = 8;
        for (row = 0; row < n; row++)
        {
            for (column = 0; column <= row; column++)
            {
                System.out.print("* ");
            }
            System.out.println();
        }
    }
}
```

```
D:\java\week 1>javac Third.java

D:\java\week 1>java Third
Name: Aditya Dinesh Netrakar
Usn: 1BM22CS017
*
* *
* * *
* * * *
* * * * *
* * * * * *
* * * * * * *
* * * * * * * *

D:\java\week 1>
```

4) Java Program to find Quotient & Remainder

```java
public class Fourth {
    public static void main(String[] args)
    {
        int num1 = 15, num2 = 2;
        int quo = num1 / num2;
        int rem = num1 % num2;
        System.out.println(" Quotient is: " +
                            quo );
        System.out.println(" Remainder is: " +
                            rem);
    }
}
```

```
D:\java\week 1>javac Fourth.java

D:\java\week 1>java Fourth
Name: Aditya Dinesh Netrakar
Usn: 1BM22CS017
Quotient is: 7
Remainder is: 1
D:\java\week 1>
```

5) Java Program to Multiply 2 no.s.

```java
import java.util.Scanner;
public class Fifth {
    public static void main (String[] args)
    {
        Scanner in = new Scanner(System.in);
        System.out.print("Enter first no: ");
        int n1 = in.nextInt();
        System.out.print("Enter second no: ");
        int n2 = in.nextInt();
        int pro = n1*n2;
        System.out.println("Output: "+pro);
    }
}
```

utput

```
D:\java\week 1>javac Fifth.java

D:\java\week 1>java Fifth
Name: Aditya Dinesh Netrakar
Usn: 1BM22CS017
Enter two numbers: 12 2
Output is: 24

D:\java\week 1>
```

6) Swap two numbers
```java
public class sixth
{
    public static void main (String[] args)
    {
        float first = 1.20f, second = 2.45f;
        System.out.println(" --Before swapping--");
```

```java
System.out.println("First no =    " + first);
System.out.println("Second no=    " + second);
float temp = first;
first = second;
second = temp;
System.out.println("-- after swapping --");
System.out.println("First no =    " + first);
System.out.println("Second no=    " + second);
    }
}
```

```
D:\java\week 1>javac Sixth.java

D:\java\week 1>java Sixth
Name: Aditya Dinesh Netrakar
Usn: 1BM22CS017
First number= 1.2
Second number= 2.45
After swap
First: 2.45
Second: 1.2

D:\java\week 1>
```