Week 4

1. Write a java program to check whether the given number is odd or even.

Program:

```
package week4;
public class evenodd {
    public static void main(String args[]) {
        int num=14;
        if(num%2==0){
            System.out.println("Even.");
        }
        else{
            System.out.println("Odd");
        }
    }
}
```

Output:

2. Write a java program to find the largest number among the three numbers.

Program:

```
package week4;
public class largestinthree{
    public static void main(String[] args){
        int a=256, b=43, c=172;
        int largest=a>b? (a>c? a:c):(b>c? b:c);
        if(largest==a){
            System.out.print("a is largest with value: "+a);
        }
        else if(largest==b){
            System.out.print("b is largest with value: "+b);
        }
        else{
            System.out.print("c is largest with value: "+c);
        }
    }
}
```

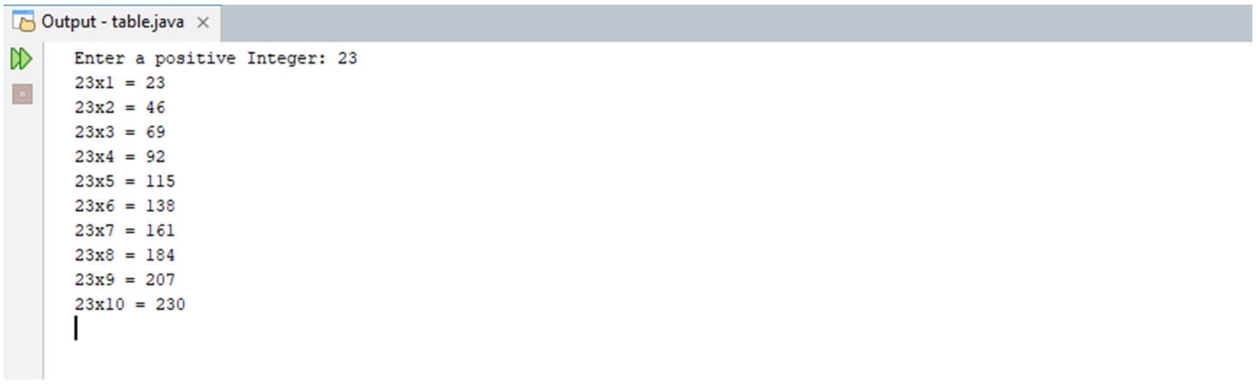
Output:

3. Write a java program to that takes a number as input and prints its multiplication table upto 10.

Program:

```
package week4;

import java.util.Scanner;

public class table{

    public static void main(String[] args){

        Scanner input=new Scanner(System.in);

        System.out.print("Enter a positive Integer: ");

        int n=input.nextInt();

        for(int i=1;i<=10;i++){

            System.out.println(n+"x"+i+" = "+(n*i));

        }

    }

}
```

Output:

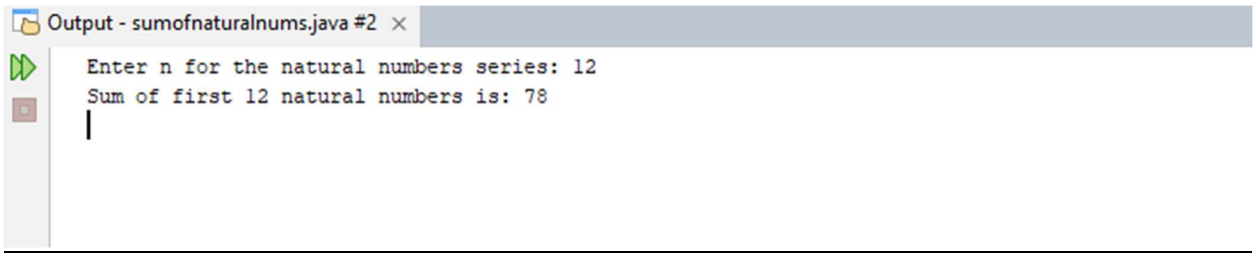


4. Write a java program to calculate the sum of the following series:
1+2+3+4+.....+N

Program:

```
package week4;
import java.util.Scanner;
public class sumofnaturalnums{
    public static void main(String[] args){
        Scanner input=new Scanner(System.in);


        System.out.print("Enter n for the natural numbers series: ");
        int n=input.nextInt();
        int sum=n*(n+1)/2;
        System.out.println("Sum of first "+n+" natural numbers is: "+sum);
    }
}
```

Output:



5. Write a java program to take a number, divide it by 2 and print the result until the number becomes less than 10.

Program:

```
package week4;
import java.util.Scanner;
public class divby2{
    public static void main(String[] args){
        Scanner input=new Scanner(System.in);
        System.out.print("Enter an Integer: ");
        double num=input.nextDouble();
        double res=num/2;
        while(res>10){
            System.out.println(res);
            res/=2;
        }
    }
}
```

Output: