

Core Java : 14-05-2018

Q1- How to create a Factorial Number?

```
class FactorialExample{
    public static void main(String args[]){
        int i,fact=1;
        int number=4;
        for(i=1;i<=number;i++){
            fact=fact*i;
        }
        System.out.println("Factorial of "+number+" is: "+fact);
    }
}
```

Q2- How to create a Table Number?

```
public class Multiplication_Table {
    public static void main(String[] args) {
        int n=Integer.parseInt(args[0]);
        for(int i=1; i<=10; i++) {
            System.out.println(n+" * "+i+" = "+n*i);
        }
    }
}
```

Q3- How to create a Max Or Min Number?

```
public class Test {
    public static void main(String args[]) {
        System.out.println(Math.min(40, 77));
        System.out.println(Math.max(40, 100));
    }
}
```

Q4- How to create a Total Number?

```
import java.util.Scanner;
public class TestScanner{
    public static void main(String[] args){
        Scanner s = new Scanner(System.in);
        int x = s.nextInt();
        int y = s.nextInt();
        int z = s.nextInt();
        System.out.print("Total Number is: "+(x+y+z));
    }
}
```

Q5- How to create a Max Or Min Number From Among Number?

```
import java.util.Scanner;
public class MaxMin{
    public static void main(String args[]){
```

```

int min=0, max=0;
Scanner s = new Scanner (System.in);
int a[]=new int[5];
for(int i=0; i<a.length; i++){
    a[i]= s.nextInt();
    if(i==0){
        min =a[0];
        max =a[0];
    }
    if(a[i] >max){
        max =a[i];
    }
    if (a[i] <min){
        min =a[i];
    }
}
System.out.println("The Largest number is: "+max);
System.out.println("The Smalest number is: "+min);
}
}

```

Q6- How to create a Prime Number by BufferedReader?

```

import java.io.*;
public class Prime {
    public static void main (String[] args) throws IOException{
        int a;
        BufferedReader br =
        new BufferedReader(new InputStreamReader(System.in));
        a=Integer.parseInt(br.readLine());
        for(int i=2; i<=a; i++){
            if (i==a){
                System.out.println(a+"is a prime number");
            } else {
                if (a%i==0){
                    System.out.println(a+"is not a prime number");
                    break;
                }
            }
        }
    }
}

```

Q7- How to create a Prime Number by BufferedReader?