

FULL STACK DEVELOPMENT – WORKSHEET -A

Ques 1. Write a java program Add two Numbers

```
import java.util.*;
public class Sum2Numbers {
    public static void main(String[] args) {
        try (Scanner input = new Scanner(System.in)) {
            int num1, num2, sum;
            System.out.print("Enter the first number : ");
            num1= input.nextInt();
            System.out.println("Enter the secnod number :");
            num2= input.nextInt();
            sum= num1+num2;
            System.out.println("The Sum of "+num1+" and "+num2+" is: "+sum);
        }
    }
}
```

Write a java program Check Whether a Number is Even or Odd

```
import java.util.*;
public class EvenOrOdd {
    public static void main(String[] args) {
        try (Scanner input = new Scanner(System.in)) {
            int num;
            System.out.println("Enter the number to be checked: ");
            num= input.nextInt();
            if (num % 2 == 0) {
                System.out.println(num + " is an even number.");
            } else {
                System.out.println(num + " is an odd number.");
            }
        }
    }
}
```

Write a java program Check if a given number is palindrome or not

```
import java.util.*;

public class PallindromeNumber {
    public static void main(String[] args) {
        try (Scanner input = new Scanner(System.in)) {
            int number, remainder, sum=0, temp;
            System.out.println("Enter the number to be checked");
            number= input.nextInt();
            temp=number;
            while(number>0){
                remainder=number%10; //getting remainder
                sum=(sum*10)+remainder;
                number=number/10;
            }
            if(temp==sum)
                System.out.println(number+" is a Palindrome Number");
            else
                System.out.println(number+" is not a Palindrome Number");
        }
    }
}
```

Write a java program to find the sum of n natural numbers

```
import java.util.*;

public class SumofNatural {
    public static void main(String[] args) {
        try (Scanner input = new Scanner(System.in)) {
            int numRange, sum=0;
            System.out.println("Enter the range of Natural Numbers");
            numRange= input.nextInt();
            if(numRange == 0) {
                System.out.println("Enter the correct range again");
                main(args);
            }
            else if (numRange >= 1) {
                for(int i=1; i<=numRange; i++) {
                    sum = sum + i;
                }
                System.out.println("The Sum of Number Range given is: "+sum);
            }
        }
    }
}
```

Write a java program to Check Prime Number or not

```
import java.util.*;

public class PrimeorNot {
    public static void main(String[] args) {
        try (Scanner input = new Scanner(System.in)) {
            int number, flag=0;
            System.out.println("Enter the number to be checked");
            number = input.nextInt();
            if(number == 0) {
                System.out.println("Please enter correct number");
                main(args);
            }
            else {
                for(int i=1; i<= number/2; i++) {
                    if(number % i ==0){
                        flag++;
                    }
                }
            }
            if(flag > 1) {
                System.out.println(number+" is not a Prime Number");
            }
            else {
                System.out.println(number+" is a Prime Number");
            }
        }
    }
}
```