

## FULL STACK DEVELOPMENT – WORKSHEET -A

### Ques

1. Write a java program Add two Numbers .
2. Write a java program Check Whether a Number is Even or Odd.
3. Write a java program Check if a given number is palindrome or not.
4. Write a java program to find the sum of n natural numbers.
5. Write a java program to Check Prime Number or not

1. Write a Java Program to add two numbers.

```
import java.util.Scanner;
public class AddTwoNumbers{
    public static void main(String[] args){
        Scanner sc = new Scanner(System.in);
        System.out.print("First Value : ");
        int firstValue = sc.nextInt();
        System.out.print("Second Value : ");
        int secondValue = sc.nextInt();
        // Add two numbers and print
        int sumOfTwoValues = firstValue + secondValue;
        System.out.println("Sum of two values : "+sumOfTwoValues);
    }
}
```

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

```
import java.util.Scanner;
public class CheckEvenOrOdd{
    public static void main(String [] args){
        Scanner sc = new Scanner(System.in);
        System.out.print("Provide any number : ");
        int value = sc.nextInt();
        if(value <=0){
            System.out.println("Given value is neither Even or Odd");
        }
        else{
            switch(value%2){
                case 1 ->{
                    System.out.println("Given value is Odd");
                }
            }
        }
    }
}
```

```

    }
    case 0 ->{
        System.out.println("Given value is Even");
    }
}
}
}
}
}

```

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

```

import java.util.Scanner;
public class CheckPalindrome {
    public static void main(String[] args){
        Scanner sc = new Scanner(System.in);
        System.out.print("Provide anu value : ");
        String inputValue = sc.next();
        char chrValue;
        String reverseValue="";
        for(int i = 0;i<inputValue.length();i++){
            chrValue = inputValue.charAt(i);
            reverseValue = chrValue + reverseValue;
        }
        if(inputValue.equals(reverseValue)){
            System.out.println("Given value is a palindrome.");
        }
        else{
            System.out.println("Given Value is not a palindrome.");
        }
    }
}

```

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

```

import java.util.Scanner;
public class SumOfNaturalNumbers {
    public static void main(String [] args){
        Scanner sc = new Scanner(System.in);
        System.out.print("Provide any number : ");
        int inputValue=sc.nextInt();
    }
}

```

```

        inputValue = (inputValue*(inputValue +1))/2;
        System.out.println("Sum of natural numbers till given number : "+
inputValue);
    }
}

```

5. Write a java program to Check Prime Number or not

```

import java.util.Scanner;
public class CheckPrimeNumber {
    public static void main(String [] args){
        Scanner sc = new Scanner(System.in);
        System.out.print("Provide the any number : ");
        int inputValue=sc.nextInt();
        System.out.println(inputValue%6);
        if(inputValue==2 || inputValue==3 || inputValue ==5 || inputValue !=1
&&inputValue%6 ==1 ||inputValue%6==5){
            System.out.println("Given number is a prime number.");
        }
        else{
            System.out.print("Given number is not a prime number.");
        }
    }
}

```