**FULL STACK DEVELOPMENT – WORKSHEET -A**

**Ques 1. Write a java program Add two Numbers**

Ans. public class SumNum

{

public static void main(String args[])

{

int n1 = 5, n2 = 15, sum;

sum = n1 + n2;

System.out.println("The sum of numbers is: "+sum);

}

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

**Ans**. class OddEven {

    public static void main(String[] args)

    {

        int num = 10;

        if (num % 2 == 0) {

            System.out.println("Entered Number is Even");

        }

        else {

            System.out.println("Entered Number is Odd");

        }

    }

}

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

**Ans.** class CheckPalindrome {

public static void main(String args[]){

  int i,sum=0,temp;

int n=454;

  temp=n;

  while(n>0){

   i=n%10;

   sum=(sum\*10)+i;

   n=n/10;

  }

  if(temp==sum)

   System.out.println("palindrome number ");

  else

   System.out.println("not palindrome");

}

}

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

**Ans.** public class SumNatural

{

public static void main(String[] args)

{

int i, num = n, sum = 0;

for(i = 1; i <= num; ++i)

{

sum = sum + i;

}

System.out.println("Sum of n Natural Numbers is = " + sum);

}

}

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

**Ans.** public class PrimeNumber{

public static void main(String args[]){

int i,m=0,flag=0;

int n=3;

m=n/2;

if(n==0||n==1){

System.out.println(n+" is not prime number");

}else{

for(i=2;i<=m;i++){

if(n%i==0){

System.out.println(n+" is not prime number");

flag=1;

break;

}

}

if(flag==0) { System.out.println(n+" is prime number"); }

}//end of else

}

}