

Q1. Write a java program Add two Numbers :

```
import java.util.Scanner;

public class SumOfTwoNumber{

    public static void main(String[] args) {

        int first; int second; int sum; //declaration of input number and sum

        Scanner sc=new Scanner(System.in);

        System.out.println("enter the first number"); //taking input of first number from user

        first=sc.nextInt();

        System.out.println("enter the second number"); //taking input of second number from user

        second=sc.nextInt();

        sum=first+second;

        System.out.println("addition of this two number is : "+ sum ); //printing output

    }

}
```

Q2. Write a java program Check Whether a Number is Even or Odd :

```
import java.util.Scanner;

public class OddOrEven{

    public static void main(String[] args) {

        Scanner sc=new Scanner(System.in);

        System.out.println("Enter the number to check whether it is odd or even");

        int number=sc.nextInt(); //taking input from the user

        if (number%2==0){ //applying condition to check number is even or add

            System.out.println("The number "+ number +" is even");

        }else{

            System.out.println("The number "+ number +" is odd");

        }

    }

}
```

Q3. Write a java program Check if a given number is palindrome or not :

```
import java.util.Scanner;

public class isPalindrome{

    public static void main(String[] args) {

        Scanner sc=new Scanner(System.in);

        System.out.println("Enter the number to check whether it is odd or even"); //taking input
from the user

        int number=sc.nextInt();

        int temp=number; int reverse=0;

        while (number!=0){ //reversing the number by using while loop

            int reminder=number%10;

            reverse=(reverse*10)+reminder;

            number=number/10;

        }

        if (reverse==temp) { //comparing original number with reverse number and printing result

            System.out.println( temp + " is palindrome number " );

        }else {

            System.out.println( temp + " is not a palindrome number");

        }

    }

}
```

Q4. Write a java program to find the sum of n natural numbers :

```
import java.util.Scanner;

public class SumOfNaturalNumber{

    public static void main(String[] args) {

        Scanner sc=new Scanner(System.in);

        System.out.println("Enter the number to check whether it is odd or even"); //taking input
from the user

        int number=sc.nextInt(); int sum=0;

        for (int i=0;i<=number;i++){ //addition upto n number using for loop

            sum=sum+i;

        }

        System.out.println("sum of the number is : " + sum);

    }

}
```

Q5. Write a java program to Check Prime Number or not :

```
import java.util.Scanner;

public class CheckPrime{

    public static void main(String[] args) {

        Scanner sc=new Scanner(System.in);

        System.out.println("Enter the number to check number is prime or not"); //taking input from
the user

        int number=sc.nextInt(); boolean isPrime=false;

        for (int i=2;i<=number/2;i++){ //checking number is prime or not using for loop

            if(number%i==0){

                isPrime=true; break;

            }

        }

        if (isPrime){ //printing the output using if else condition

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

        }else {

            System.out.println("the number is a prime number");

        }

    }

}
```