**Java program to check prime number**

This program will prompt user to enter a number and then **it will check and display whether the input number is prime or not**.

import java.util.Scanner;

class PrimeCheck

{

public static void main(String args[])

{

int temp;

boolean isPrime=true;

Scanner scan= new Scanner(System.in);

System.out.println("Enter a number for check:");

//capture the input in an integer

int num=scan.nextInt();

for(int i=2;i<=num/2;i++)

{

temp=num%i;

if(temp==0)

{

isPrime=false;

break;

}

}

//If isPrime is true then the number is prime else not

if(isPrime)

System.out.println(num + " is Prime Number");

else

System.out.println(num + " is not Prime Number");

}

}

Output:

Enter a number for check:

19

19 is Prime Number

Output 2:

Enter a number for check:

6

6 is not Prime Number