**Implement a class that checks whether a given number is a prime using both the Thread class**

**and Runnable interface**

**import** java.util.Scanner;

**public** **class** PrimeThread {

**public** **static** **void** main(String[] args) {

FirstThread obj = **new** FirstThread();

Thread t= **new** Thread(obj);

System.***out***.println("enter the number to check if its prime : ");

t.start();

}

}

**class** FirstThread **implements** Runnable {

**public** **void** run(){

**boolean** prime=**true**;

Scanner in = **new** Scanner(System.***in***);

**int** num = in.nextInt();

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

{

**int** temp=num%i;

**if** (temp==0)

prime=**false**;

}

**if** (prime)

System.***out***.println(num +" is a prime number ");

**else**

System.***out***.println(num +" is not a prime number ");

}

}

**OUTPUT:**

enter the number to check if no.is prime :

11

11 is a prime no