a. Write a method isPrime to accept one integer parameter and  to check whether  that parameter is prime or not.

b. Using this method, generate first N prime numbers in the main method.

CODE:

import java.util.\*; // contains all utilities

class prime

{

private static boolean isPrime(int n) // it can be accessed only n that class

{

int c=0;

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

{

if(n%i==0)

c++;

}

if(c>0)

return false;

return true;

}

public static void main(String args[])

{

Scanner sc = new Scanner(System.in); // to get user input, Scanner is class, sc is object, new is used for dynamic memory allocation

System.out.println("Enter N");

int N = sc.nextInt();

int count = 0;

int i = 2;

while(count<N)

{

if(isPrime(i))

{

System.out.println(i);// output statement

count++;

}

i++;

}

}

}

INPUT/OUTPUT

Enter N

5

the first N prime numbers are

2

3

5

7

11