**PRIME NUMBER WITH LOOP**

public class Main {

public static void main(String[] args) {

int num = 29;

boolean flag = false;

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

{

// condition for nonprime number

if(num % i == 0)

{

flag = true;

break;

}

}

if (!flag)

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

else

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

}

}