#program to check a given number is prime number or not

Program:

package oopslab\_java;

import java.util.Scanner;

public class Prime {

public static boolean isPrime(int n) {

if (n <= 1) {

return false;

}

for (int i = 2; i <= Math.*sqrt*(n); i++) {

if (n % i == 0) {

return false;

}

}

return true;

}

public static void main(String[] args) {

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

System.***out***.print("Enter a number: ");

int number = scanner.nextInt();

scanner.close();

if (*isPrime*(number)) {

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

} else {

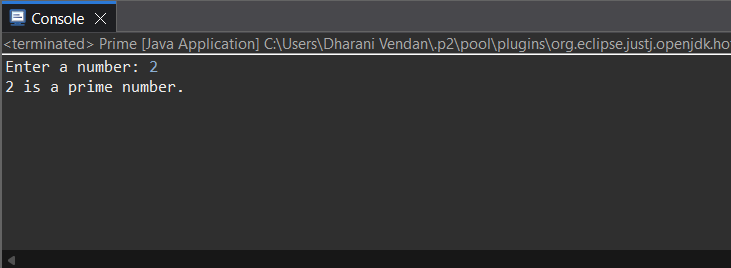
System.***out***.println(number + " is not a prime number.");

}

}

}

Output:



A screenshot of a computer

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