Write a program to print number of factors and to print nth factor of the given number.

CODE:

import java.util.\*;

public class nthfactor

{

public static void main(String[] args)

{

int num,n;

Scanner sc = new Scanner(System.in);

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

num = sc.nextInt();

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

n= sc.nextInt();

int i, count = 0;

for(i = 1; i<= num; i++)

{

if(num % i == 0)

{

count = count + 1;

if(count==n)

{

System.out.println(n+" Factor is "+i);

}

}

}

System.out.print("Total factors of " + num + " : " + count);

}

}

OUTPUT:

C:\javap>javac nthfactor.java

C:\javap>java nthfactor

Enter a number : 56

Enter N:

6

6 Factor is 14

Total factors of 56 : 8

