**Count the number of factors for the given number**

public class Solution {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

int val=sc.nextInt();

int co=0;

for (int i=1;i<=val;i++){

if(val%i==0){

co++;

}

}

System.out.println(co);

}

}

**Find all the prime factors of the given number.**

public class Solution {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

int n=sc.nextInt();

int i=2,co=0;

while(n>1){

if(n%i==0){

co++;

n=n/i;

}

else{

if(co>=1)

System.out.println(i+"->"+co);

co=0;

i++;

}

}

System.out.println(i+"->"+co);

}

}

**Find the sum of factors of the given number.**

public class Solution {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

int n=sc.nextInt();

int sum=0,i=1;

while(i<=n){

if(n%i==0){

sum+=i;

}

i++;

}

System.out.println(sum);

}

}

**Implement the pow function using looping statement.**

public class Solution {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

int base=sc.nextInt();

int power=sc.nextInt();

int copy=1;

for(int i=1;i<=power;i++){

copy\*=base;

}

System.out.println(copy);

}

}