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Java Class Test 7

Java_test_7.java

```
1  import java.util.Scanner;
2
3  public class java_test_7 {
4
5      public static void main(String[] args) {
6          Scanner sc = new Scanner(System.in);
7          System.out.println("Enter the number : ");
8          int number = sc.nextInt();
9          System.out.println("Enter the power : ");
10         int pow = sc.nextInt();
11         System.out.println("Result : "+power(number,pow));
12     }
13
14     public static int power(int number, int pow){
15         return calcPower(number, number, pow,1);
16     }
17
18     public static int calcPower(int sum,int number, int pow, int counter){
19         //System.out.println("inside "+number+" "+pow+" "+counter);
20         if(counter==pow){
21             return sum;
22         }
23         counter++;
24         sum=sum*number;
25         sum = calcPower(sum, number, pow, counter);
26         return sum;
27     }
28
29 }
30
```

Output :

```
C:\Users\ebene\Desktop>java java_test_7.java
Enter the number :
3
Enter the power :
4
Result : 81
```