</> Problem 📄 Editorial 🕐 Submissions 💬 Comments

Python3 ⌄   Average Time: 10m   ⏱ Start Timer ▶

Factorial Of Number 🔖

Easy   Accuracy: **62.28%**   Submissions: **44K+**   Points: **2**

Attend free LIVE Webinars with Summer Skill-Up Sessions! Enroll Now! ⬀

Given a positive integer **N**. The task is to find factorial of **N**.

Example 1:

```
Input:
N = 4
Output: 24
Explanation: 4! = 4 * 3 * 2 * 1 = 24
```

Example 2:

```
Input:
N = 13
Output: 6227020800
Explanation:
13! = 13 * 12 * .. * 1 = 6227020800
```

Your Task:

```python
1     # } Driver Code Ends
9     #User function Template for python3
10
11    class Solution:
12        #You need to complete this function
13        def factorial(self,N):
14            #Your code here
15            if N == 0:
16                return 1
17            else:
18                return N * self.factorial(N-1)
19
20    #{
21      # Driver Code Starts.
22
23    def main():
24
25        T=int(input())
26
27        while(T>0):
28            N=int(input())
29            ob=Solution()
30
31            print(ob.factorial(N))
32
33
34            T-=1
35
36
37
38
39
40
41    if __name__=="__main__":
42        main()
43    # } Driver Code Ends
```

Custom Input   Compile & Run   Submit

« Prev

Next »