

EC 2010 : Computer Programming

Lab 07

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2022/E/126

EC2010

2023/12/06

03)

```
12
13 #include <iostream>
14
15 using namespace std;
16
17 void factorialofanumber (int n, unsigned long long *result){
18
19     *result =1;
20
21     for (int i=1; i<= n; ++i ){
22
23         *result *= i;
24     }
25 }
26
27
28
29
30
31 int main()
32 {
33     int n;
34     unsigned long long factoricalresult;
35
36     cout<<" Enter integer number: ";
37     cin>>n;
38
39     if (n<1){
40
41         cout<<"Please enter a integer number"<<endl;
42         return 1;
43     }
44
45     factorialofanumber(n, &factoricalresult);
46
47     cout<<factoricalresult<<" is the factorical number for " <<n;
48
49
50     return 0;
51 }
52
```

04)

```
12
13 #include <iostream>
14
15 using namespace std;
16
17 void factorialofanumber (int n, unsigned long long *result){
18
19     *result =1;
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21     for (int i=1; i<= n; ++i ){
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36     cout<<" Enter integer number: ";
37     cin>>n;
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39     if (n<1){
40
41         cout<<"Please enter a integer number"<<endl;
42         return 1;
43     }
44
45     factorialofanumber(n, &factoricalresult);
46
47     cout<<factoricalresult<<" is the factorical number for " <<n;
48
49
50     return 0;
51 }
```

C:\Users\TEMP\jfn.008\Downloads\Lab06\lab07-2022e126-trangularnumber\bin\Debug\lab07-2022e126-trangularnumber.exe

35 is the sum of first 5 trangular numbers
Process returned 0 (0x0) execution time : 0.156 s
Press any key to continue.

05)

```
12
13 #include <iostream>
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17 void factorialofanumber (int n, unsigned long long *result){
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19     *result =1;
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24         *result *= i;
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29
30
31 int main()
32 {
33     int n;
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36     cout<<" Enter integer number: ";
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41         cout<<"Please enter a integer number"<<endl;
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45     factorialofanumber(n, &factoricalresult);
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47     cout<<factoricalresult<<" is the factorical number for " <<n;
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49
50     return 0;
51 }
```

C:\Users\TEMP.jfn.008\Downloads\Lab06\Lab07-2022e126-arraystore\bin\Debug\Lab07-2022e126-arraystore.exe

```
0x6dfe70: 6.25
0x6dfe78: 6.5
0x6dfe80: 6.8
0x6dfe88: 7.2
0x6dfe90: 7.35
0x6dfe98: 7.5
0x6dfea0: 7.65
0x6dfea8: 7.8
0x6dfeb0: 8.2
0x6dfeb8: 8.4
0x6dfec0: 8.6
0x6dfec8: 8.8
0x6dfed0: 9
```

Process returned 0 (0x0) execution time : 0.062 s
Press any key to continue.