

C:\Users\DELL\Documents\factorial using recursion.cpp - Embarcadero Dev-C++ 6.3

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(globals) TDM-GCC 9.2.0 64-bit Release

Project C factorial using recursion.cpp

```
1 #include<stdio.h>
2 long int multiplyNumbers(int n);
3 int main() {
4     int n;
5     printf("Enter a positive integer: ");
6     scanf("%d",&n);
7     printf("Factorial of %d = %ld", n, multiplyNumbers(n));
8     return 0;
9 }
10
11 long int multiplyNumbers(int n) {
12     if (n>=1)
13         return n*multiplyNumbers(n-1);
14     else
15         return 1;
16 }
```

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(globals)

factorial using recursion.cpp

```
1 #include<stdio.h>
2 long int multiplyNumbers(int n)
3 {
4     Enter a positive integer: 5
5     Factorial of 5 = 120
6     -----
7     Process exited after 1.9 seconds with return value 0
8     Press any key to continue . . .
9 }
10
11
12
13
14
15
16 }
```

Resources