

C:\Users\Purushotham\Documents\bin-oct.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Debug

(globals)

Project Classes Debug factorial.cpp Untitled2.cpp dec-bin.cpp dec-oct.cpp bin dec.cpp bin-oct.cpp

```
1 #include <math.h>
2 #include <stdio.h>
3 int convert(long long bin);
4 int main() {
5     long long bin;
6     printf("Enter a binary number: ");
7     scanf("%lld", &bin);
8     printf("%lld in binary = %d in octal", bin, convert(bin));
9     return 0;
10 }
11
12 int convert(long long bin) {
13     int oct = 0, dec = 0, i = 0;
14     while (bin != 0) {
15         dec += (bin % 10) * pow(2, i);
16         ++i;
17         bin /= 10;
18     }
19     i = 1;
20     while (dec != 0) {
21         oct += (dec % 8) * i;
22         dec /= 8;
23         i *= 10;
24     }
25     return oct;
26 }
27
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Purushotham\Documents\bin-oct.exe
- Output Size: 175.9951171875 KiB
- Compilation Time: 0.17s
```

Line: 19 Col: 11 Sel: 0 Lines: 27 Length: 554 Insert Done parsing in 0.016 seconds

30°C Mostly cloudy

Search

ENG IN

13:15 28-11-2023

C:\Users\Purushotham\Docur

Enter a binary number: 1101  
1101 in binary = 15 in octal

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Process exited after 2.689 seconds with return value 0  
Press any key to continue . . .