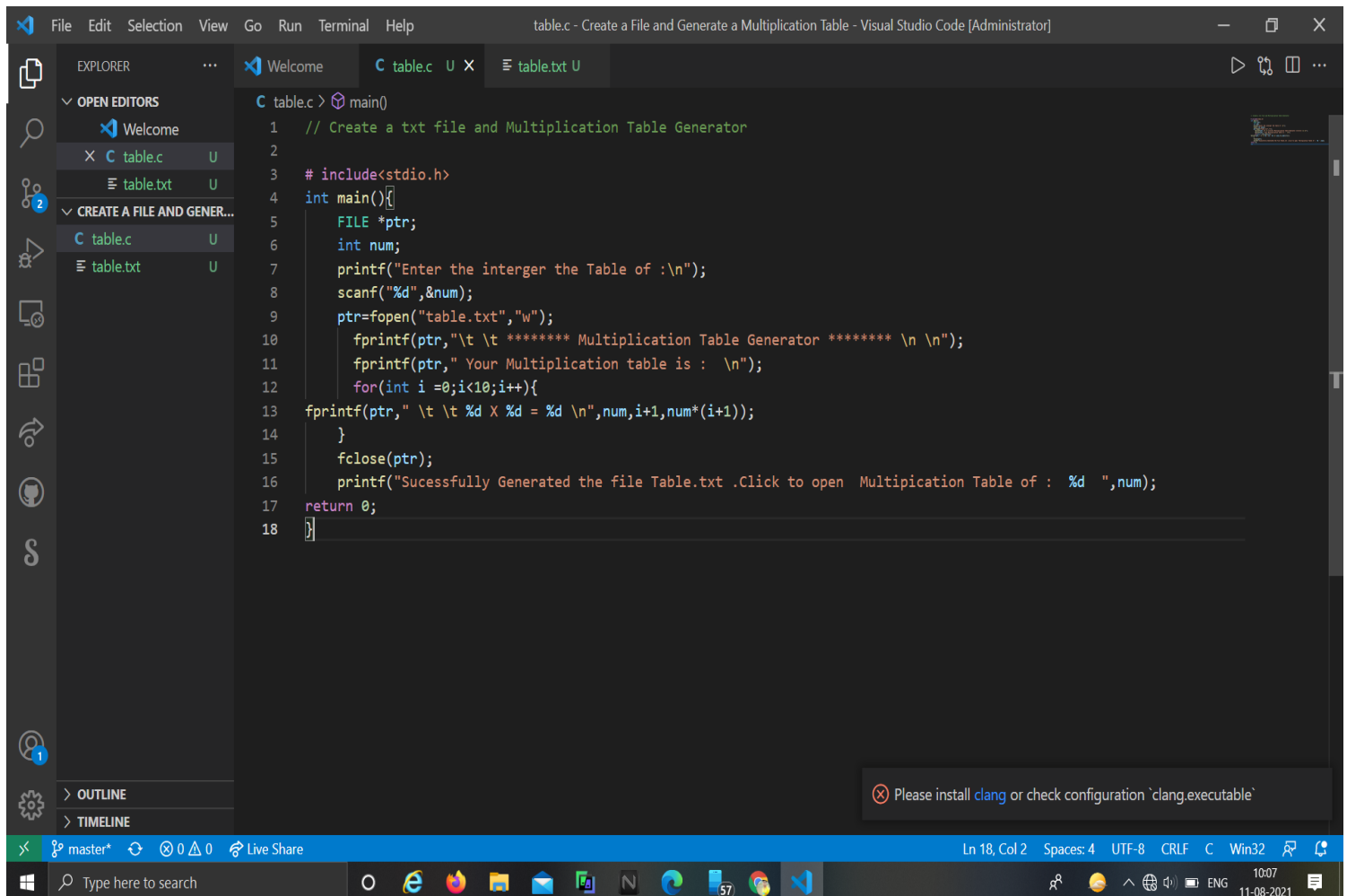# Create File and Multiplication Table Generator

This Program to Generate Multiple Table of a Given Number in Text Format ,Make sure that the file is readable and well formatted.

Now I will Create a file with C program and Genarate a multiplication table This file .

See the program :   table.c

```c
// Create a txt file and Multiplication Table Generator

# include<stdio.h>
int main(){
    FILE *ptr;
    int num;
    printf("Enter the interger the Table of :\n");
    scanf("%d",&num);
    ptr=fopen("table.txt","w");
      fprintf(ptr,"\t \t ******** Multiplication Table Generator ******** \n \n");
      fprintf(ptr," Your Multiplication table is :  \n");
      for(int i =0;i<10;i++){
fprintf(ptr," \t \t %d X %d = %d \n",num,i+1,num*(i+1));
    }
    fclose(ptr);
    printf("Sucessfully Generated the file Table.txt .Click to open  Multipication Table of :  %d  ",num);
return 0;
}
```

Program Output :

EXPLORER

OPEN EDITORS
- Welcome
- X C table.c   U
-    ☰ table.txt   U

CREATE A FILE AND GENER...
- C table.c   U
- ☰ table.exe   U
- ☰ table.txt   U

Welcome   C table.c   U X   ☰ table.txt U

C table.c > ⊘ main()

```c
1    // Create a txt file and Multiplication Table Generator
2
3    # include<stdio.h>
4    int main(){
5        FILE *ptr;
6        int num;
7        printf("Enter the interger the Table of :");
8        scanf("%d",&num);
9        ptr=fopen("table.txt","w");
10         fprintf(ptr,"\t \t ******** Multiplication Table Generator ******** \n \n");
11         fprintf(ptr," Your Multiplication table is :  \n");
12         for(int i =0;i<10;i++){
13   fprintf(ptr," \t \t %d X %d = %d \n",num,i+1,num*(i+1));
14         }
15         fclose(ptr);
16         printf("Sucessfully Generated the file Table.txt .Click to open  Multipication Table of :  %d  ",num);
17    return 0;
18    }
```

PROBLEMS   OUTPUT   TERMINAL   DEBUG CONSOLE

Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\acer\Desktop\C_Programming\C_Projectas\Create a File and Generate a Multiplication Table> cd "c:\Users\acer\Desktop\C_Programming\C_Projectas\Create a File and Generate a Multiplication Table\" ; if ($?) { gcc table.c -o table } ; if ($?) { .\table }
Enter the interger the Table of :147
Sucessfully Generated the file Table.txt .Click to open Multipication Table of : 147
PS C:\Users\acer\Desktop\C_Programming\C_Projectas\Create a File and Generate a Multiplication Table>

master*   ⊗ 0 △ 0   Live Share   Ln 18, Col 2   Spaces: 4   UTF-8   CRLF   C   Win32

C program Automatic Create a Text File : table.txt

EXPLORER

OPEN EDITORS
- Welcome
-    C table.c   U
- X ☰ table.txt   U

CREATE A FILE AND GENER...
- C table.c   U
- ☰ table.exe   U
- ☰ table.txt   U

Welcome   C table.c   U   ☰ table.txt U X

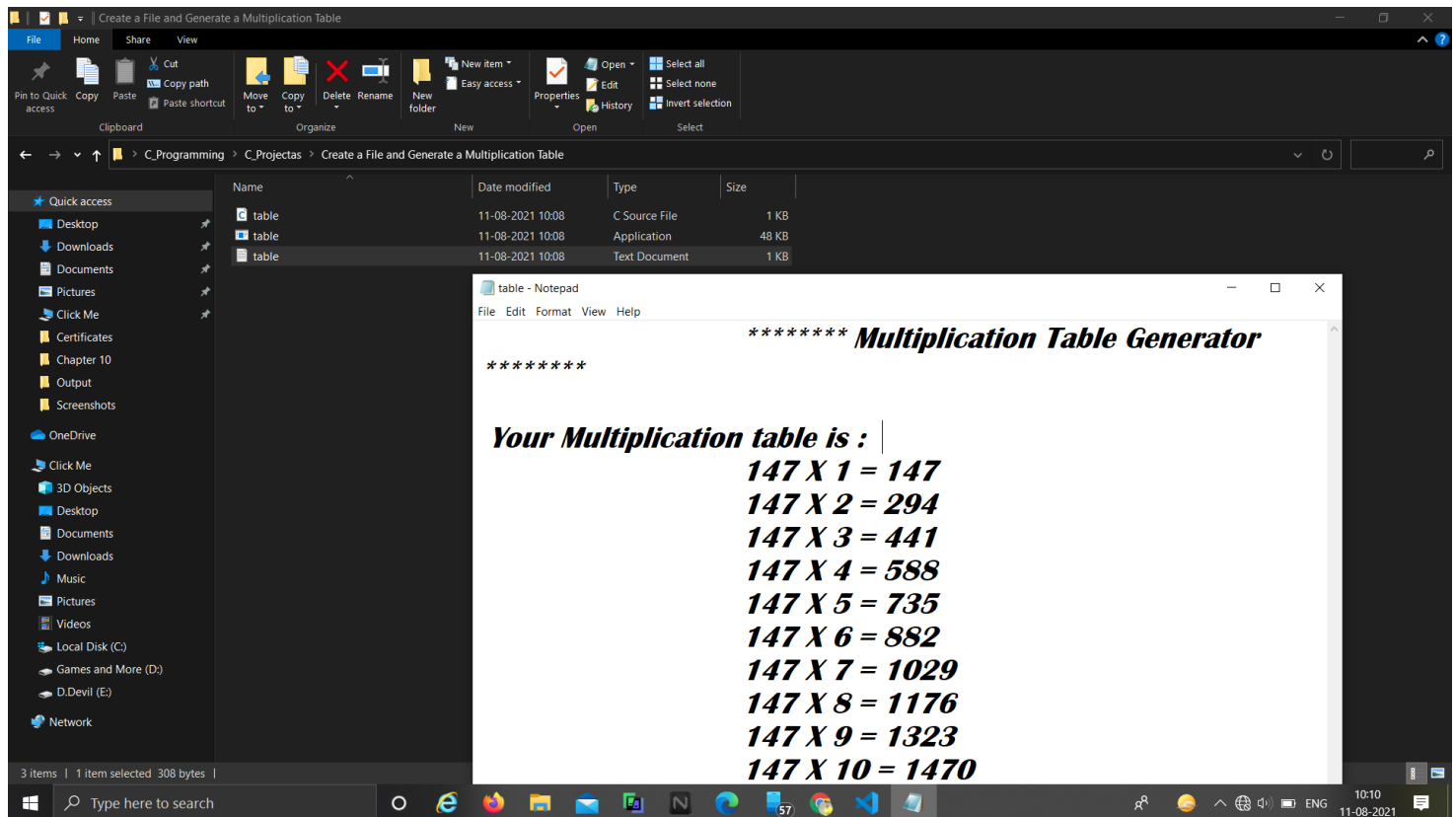☰ table.txt

```
1          ******** Multiplication Table Generator ********
2
3    Your Multiplication table is :
4         147 X 1 = 147
5         147 X 2 = 294
6         147 X 3 = 441
7         147 X 4 = 588
8         147 X 5 = 735
9         147 X 6 = 882
10        147 X 7 = 1029
11        147 X 8 = 1176
12        147 X 9 = 1323
13        147 X 10 = 1470
14
```

PROBLEMS   OUTPUT   TERMINAL   DEBUG CONSOLE

Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\acer\Desktop\C_Programming\C_Projectas\Create a File and Generate a Multiplication Table> cd "c:\Users\acer\Desktop\C_Programming\C_Projectas\Create a File and Generate a Multiplication Table\" ; if ($?) { gcc table.c -o table } ; if ($?) { .\table }
Enter the interger the Table of :147
Sucessfully Generated the file Table.txt .Click to open Multipication Table of : 147
PS C:\Users\acer\Desktop\C_Programming\C_Projectas\Create a File and Generate a Multiplication Table>

master*   ⊗ 0 △ 0   Live Share   Ln 13, Col 24   Tab Size: 4   UTF-8   CRLF   Plain Text

Open Folder and table.txt file :

Open table.txt

******** **Multiplication Table Generator** ********

Your Multiplication table is :

147 X 1 = 147
147 X 2 = 294
147 X 3 = 441
147 X 4 = 588
147 X 5 = 735
147 X 6 = 882
147 X 7 = 1029
147 X 8 = 1176
147 X 9 = 1323
147 X 10 = 1470