



FileEditSelectionViewGoRunTerminalHelp

c prog

ctof.cifelse.codd.cday5.execc.cday6.cmarks.cDAY10.c

DAY10.c > ...

```
1 //Q19: Write a program to classify a triangle as Equilateral, Isosceles, or Scalene based on its side lengths.
2 #include<stdio.h>
3
4 int main() {
5     float side1, side2, side3;
6
7     printf("Enter the three sides of the triangle:\n");
8     scanf("%f %f %f", &side1, &side2, &side3);
9
10
11     if ((side1 + side2 > side3) &&
12         (side1 + side3 > side2) &&
13         (side2 + side3 > side1)) {
14
15
16         if (side1 == side2 && side2 == side3) {
17             printf("The triangle is Equilateral.\n");
18         } else if (side1 == side2 || side2 == side3 || side1 == side3) {
19             printf("The triangle is Isosceles.\n");
20         } else {
21             printf("The triangle is Scalene.\n");
22         }
23
24     } else {
25         printf("The given sides do not form a valid triangle.\n");
26     }
27
28     return 0;
29 }
30
31 ~
```

PROBLEMSOUTPUTDEBUG CONSOLETERMINALPORTS

```
PS C:\Users\ACER\Desktop\c prog> gcc DAY10.c
PS C:\Users\ACER\Desktop\c prog> ./a.exe
Enter the three sides of the triangle:
9 7 8
The triangle is Scalene.
PS C:\Users\ACER\Desktop\c prog> 
```

cppdbg: DA... powershell cppdbg: DA... powershell cppdbg: ma... powershell

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