

3a - If Else Statement

Thursday, 6 August 2026

02:58

Dangling If-else Problem

If a bracket is absent then the else goes to nearest if irrespective of indentation.

```
dangling_if_else.c>int main()
```

```
1  #include <stdio.h>
2
3  int main(){
4
5      int num;
6      printf("Enter a number: ");
7      scanf(" %d", &num);
8
9      if ( num > 10)
10         if ( num < 50)
11             printf("Number is larger than 10 and less than 50. \n");
12
13     else printf("The number is not within the scope");
14
15
16
17     return 0;
18 }
```

c — zsh

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(base) arneshbanerjee@Arneshs-MacBook-Air c % gcc dangling_if_else.c -w

(base) arneshbanerjee@Arneshs-MacBook-Air c % ./a.out

Enter a number: 9

(base) arneshbanerjee@Arneshs-MacBook-Air c %