

# GE23131-Programming Using C-2024

Quiz navigation

1

Finish review

Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Friday, 29 November 2024, 8:22 AM
Duration	24 days 9 hours

Question 1

Correct

Marked out of 1.00

Flag question

The general format of if statement is

```
if (condition) {
    statement-1;
    statement-2;
    ....
    statement-n;
}
```

The if construct is a **selective statement**, the statements within the block are executed only once when the **condition evaluates to true**, otherwise the control goes to the first statement after the if construct.

If only one statement is presented in the if construct then there is no need to specify the braces {, } i.e., if braces are not specified for the if construct, by default the next immediate statement is the only statement considered for the if construct.

Below code prints the number only when it is **divisible by 3**:

```
#include <stdio.h>
int main()
{
    int num;
    printf("Enter a number : ");
    scanf("%d", &num);
    if (num % 3 == 0)
    {
        printf("Given number %d is divisible by 3", num);
    }
    return 0;
}
```

In the above code, num % 3 == 0 is the **condition**, which verifies whether the **number is divisible by 3**. Only if the condition returns 1 (true) then the control enters in to the **if-block** and executes the statement.

Fill in the missing code in the below program to check whether the given number is divisible by **3** or not.

For example:

Input	Result
9	Given number 9 is divisible by 3
7	Given number 7 is not divisible by 3

Answer: (penalty regime: 0 %)

Reset answer

1

#include <stdio.h>

```

2
3 int main()
4 {
5     int num;
6     scanf("%d", &num);
7     if (num % 3==0)
8     {
9         printf("Given number %d is divisible by 3\n", num);
10    }
11    else
12    {
13        printf("Given number %d is not divisible by 3\n", num);
14    }
15    return 0;
16 }
17

```

	Input	Expected	Got	
✓	9	Given number 9 is divisible by 3	Given number 9 is divisible by 3	✓
✓	7	Given number 7 is not divisible by 3	Given number 7 is not divisible by 3	✓

Passed all tests! ✓

Finish review