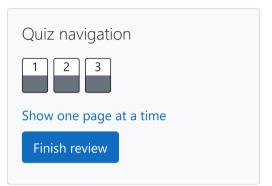
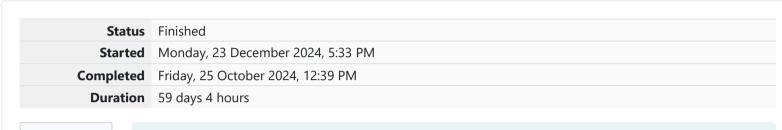
# GE23131-Programming Using C-2024





Question **1**Correct
Marked out of 3.00

Flag question

Write a program to read two integer values and print true if both the numbers end with the same digit, otherwise print false. Example: If 698 and 768 are given, program should print true as they both end with 8. Sample Input 1 25 53 Sample Output 1 false Sample Input 2 27 77 Sample Output 2 true

**Answer:** (penalty regime: 0 %)

```
#include<stdio.h>
    int main(){
 3
        int a, b, resa, resb;
        scanf("%d %d",&a,&b);
        resa = a\%10;
        resb = b\%10;
        if(resa == resb){
            printf("true");
 8
 9 1
        }else{
10
            printf("false");
11
12
        return 0;
13 }
```

~	25 53	false	false	~
~	27 77	true	true	~

Passed all tests! <

Question  ${\bf 2}$ 

Correct

Marked out of 5.00

▼ Flag question

## **Objective**

In this challenge, we're getting started with conditional statements.

### Task

Given an integer, **n**, perform the following conditional actions:

- · If **n** is odd, print Weird
- · If *n* is even and in the inclusive range of 2 to 5, print *Not Weird*
- · If *n* is even and in the inclusive range of *6* to *20*, print *Weird*
- · If *n* is even and greater than *20*, print *Not Weird*

Complete the stub code provided in your editor to print whether or not n is weird.

## **Input Format**

A single line containing a positive integer, **n**.

#### **Constraints**

· 1 <u><</u> n <u><</u> 100

Print Weird if the number is weird; otherwise, print Not Weird. Sample Input 0 3 Sample Output 0 Weird Sample Input 1 24 **Sample Output 1** Not Weird **Explanation** Sample Case 0: n = 3**n** is odd and odd numbers are weird, so we print **Weird**. *Sample Case 1:* **n = 24** n > 20 and n is even, so it isn't weird. Thus, we print **Not Weird**.

**Answer:** (penalty regime: 0 %)

```
scanf("%d",&a);
 5 🔻
        if (a%2!=0){
             printf("Weird");
 6
 7 🔻
         }else if(a%2==0 && 2<=a && a<=6){</pre>
             printf("Not Weird");
 8
 9 ,
         }else if(a%2==0 && 6<=a && a<=20){</pre>
10
             printf("Weird");
11 🔻
         }else if(a%2==0 && a>20){
             printf("Not Weird");
12
13
14
         return 0;
15
```

	Input	Expected	Got	
<b>~</b>	3	Weird	Weird	~
<b>~</b>	24	Not Weird	Not Weird	~

Passed all tests! <

Question **3** 

Correct

Marked out of 7.00

▼ Flag question

Three numbers form a Pythagorean triple if the sum of squares of two numbers is equal to the square of the third. For example, 3, 5 and 4 form a Pythagorean triple, since 3\*3 + 4\*4 = 25 = 5\*5 You are given three integers, a, b, and c. They need not be given in increasing order. If they form a Pythagorean triple, then print "yes", otherwise, print "no". Please note that the output message is in small letters. Sample Input 1 3 5 4 Sample Output 1 yes Sample Input 2 5 8 2 Sample Output 2 no

**Answer:** (penalty regime: 0 %)

```
1 #include<stdio.h>
2 v int main(){
3    int a,b,c;
5    scanf("%d %d %d",&a,&b,&c);
```

```
8 *
            }else{
 9
                printf("no");
10
11 🔻
        }else if(b>a && b>c){
            if (b*b == a*a + c*c){
12 🔻
13
                printf("yes");
14 🔻
            }else{
15
                printf("no");
16
17 🔻
        }else{
            if(c*c == a*a + b*b){
18 🔻
19
                printf("yes");
20 ▼
            }else {
21
                printf("no");
22
23
24
        return 0;
25 }
```

	Input	Expected	Got	
~	3 5 4	yes	yes	~
~	5 8 2	no	no	~

Passed all tests! ✓

Finish review