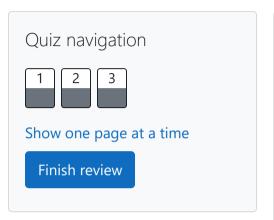
GE23131-Programming Using C-2024





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,c,d;
        scanf("%d %d %d %d",&a,&b,&c,&d);
        c=a%10;
        d=b\%10;
        if(c==d)
 9 1
             printf("true");
10
11
12
        else
13 •
             printf("false");
14
15
        return 0;
16
17
```

	Input	Expected	Got	
~	25 53	false	false	~
~	27 77	true	true	~

Passed all tests! <

Question **2**

Correct

Marked out of 5.00

Flag question

Objective

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

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Task

Given an integer, \mathbf{n} , perform the following conditional actions:

- · If \mathbf{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.

A single line containing a positive integer, n .				
Constraints				
· 1 ≤ n ≤ 100				
Output Format				
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				

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 %)

```
#include<stdio.h>
    int main()
 2
3 🔻
        int n;
        scanf("%d",&n);
        if(n%2!=0)
7 🔻
            printf("Weird");
 8
 9
        else if(n%2==0)
10
11 🔻
            if(2<=n&&n<=5)
12
13 •
                 printf("Not Weird");
14
15
16
            else if(6<=n&&n<=20)
17 1
                 printf("Weird");
18
19
             else if(n>20)
20
21 1
                 printf("Not Weird");
22
23
24
25
        return 0;
```

	Input	Expected	Got	
~	3	Weird	Weird	~
~	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

11

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
    int main()
 2
 3 ▼
        int a,b,c;
        scanf("%d %d %d",&a,&b,&c);
        if(a*a==b*b+c*c | |b*b==a*a+c*c| | c*c==a*a+b*b)
 7
             printf("yes");
 8
 9
10
        else
11 🔻
            printf("no");
12
13
        return 0;
14
15
```

