GE23131-Programming Using C-2024





Question **1**Correct

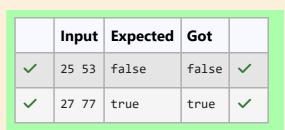
Marked out of 3.00

▼ 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>
 2
    int main()
3 ▼
    {
 4
         int x,y;
 5
         float z,a;
         scanf("%d %d",&x,&y);
 6
 7
         (z=x\%10);
8
         (a=y\%10);
9
         if(z==a) printf("true");
10
         else printf("false");
11
         return 0;
12
```



Question **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 < n < 100

Output Format

Print Weird if the number is weird; otherwise, print Not Weird.

Sample Input 0

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 %)

```
#include<stdio.h>
 2
    int main()
 3 ₹ {
4
         int n;
 5
         scanf("%d",&n);
         if(n%2!=0)
 6
 7 🔻
 8
             printf("Weird\n");
 9
         else{
10 🔻
             if(n>=2&& n<=5)
11
12 🔻
                 printf("Not Weir
13
14
             else if(n>6&& n<=20)
15 ▼
                 printf("kleird\r
16
17
             }
             else if(n>20){
18 🔻
19
                 printf("Not Weir
20
21
```

	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

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
2
    int main()
3 ▼ {
4
        int a,b,c;
        scanf("%d%d%d",&a,&b,&c)
5
        if((a*a==b*b+c*c)||(b*b=
6
7
        printf("yes");
8
        else
        printf("no");
9
        return 0;
10
11
```

