

Question 1

Correct

Marked out of
3.00

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 %)

```
1 #include <stdio.h>
2 int main(){
3     int a,b,c,d;
4     scanf("%d%d",&a,&b);
5     c=a%10;
6     d=b%10;
7     if(c==d)
8         printf("true\n");
9     else
10        printf("false");
11    return 0;
12 }
```

| | 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.

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

- $1 \leq n \leq 100$

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2 int main(){
3     int n;
4     scanf("%d",&n);
5     if((n%2==1)||((6<=n)&&(n<=20)))
6     printf("Weird");
7     else
8     printf("Not Weird");
9     return 0;
10 }
```

| | Input | Expected | Got | |
|---|-------|-----------|-----------|---|
| ✓ | 3 | Weird | Weird | ✓ |
| ✓ | 24 | Not Weird | Not Weird | ✓ |

Passed all tests! ✓

Question 3

Correct

Marked out of
7.00

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 $3^2 + 4^2 = 25 = 5^2$. 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 int main(){
3     int a,b,c;
4     scanf("%d%d%d",&a,&b,&c);
5     if((a*a==b*b+c*c)|| (b*b==c*c+a*a)|| (c*c==a*a+b*b))
6         printf("yes");
7     else
8         printf("no");
9     return 0;
10 }
```

| | Input | Expected | Got | |
|---|-------------|----------|-----|---|
| ✓ | 3 5 4 | yes | yes | ✓ |
| ✓ | 5 8 2 | no | no | ✓ |

Passed all tests! ✓