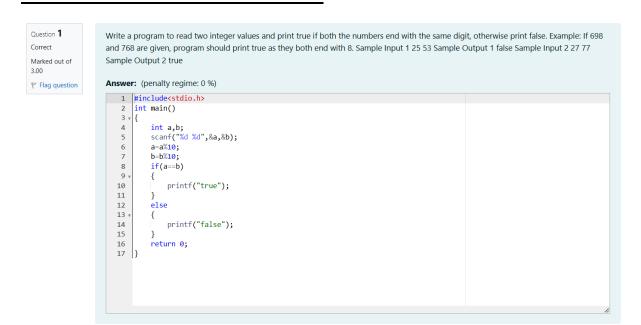
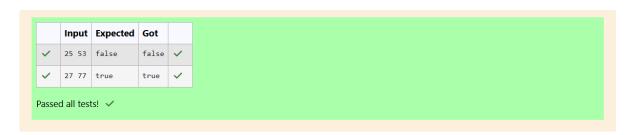
Week-03-Decision Making and Branching - if, if...else and nested if...else, if...else if and switch...case

Week-03-01-Practice Session-Coding



Result:



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

- If **n** is odd, print Weird
- · If ${\it n}$ is even and in the inclusive range of ${\it 2}$ to ${\it 5}$, print ${\it Not Weird}$
- 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 ${\it n}$ is weird.

Input Format

A single line containing a positive integer, \boldsymbol{n} .

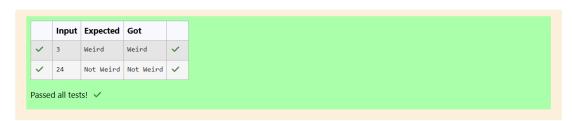
Constraints

 $\cdot \qquad 1 \leq n \leq 100$

Source code:

```
1 #include<stdio.h>
2 int main()
3 * {
2
3 <sub>v</sub>
       int n;
scanf("%d",&n);
if(n>=1 && n<=100)</pre>
4
5
6
            n=n%2;
if(n==0)
8
           if(n>=2 && n<=5)
10 🔻
11
                {
    printf("Not Weird");
12 🔻
13
14
15
                  else if(n>=6 && n<=20)
                {
    printf("Weird");
16 🔻
17
18
19
                 else
20
21
22
23
               {
                      printf("Not Weird");
24
25 v
             else
26
                printf("Weird");
27
28
29
            return 0;
       }
30
```

Result:



Question **3** Correct Marked out of ▼ 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 %)

```
int a,b,c; scanf("%d %d",&a,&b,&c); f(((a*a+b*b)=-c*c) || ((b*b+c*c)=-a*a) || ((a*a+c*c)=-b*b)) ...
                printf("yes");
   10
11 •
           else
{
  12
13
14
15 }
                printf("no");
            return 0;
```

Result:

