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|------------------|----------------------------------|
| <b>Status</b>    | Finished                         |
| <b>Started</b>   | Monday, 13 October 2025, 6:37 PM |
| <b>Completed</b> | Monday, 13 October 2025, 6:53 PM |
| <b>Duration</b>  | 15 mins 41 secs                  |

Question **1**

Correct

**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**

- $1 \leq n \leq 100$

**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

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 %)

```
1  #include<stdio.h>
2  int main()
3  {
4      int n;
5      scanf("%d",&n);
6      if((n&1) || (6<=n&&n<=20))
7      {
8          printf("Weird");
9      }
10     else
11     {
12         printf("Not Weird");
13     }
14     return 0;
15 }
```

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

Passed all tests! ✓



Question **2**

Correct

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  {
4      int a,b;
5      scanf("%d %d",&a,&b);
6      if((a%10)==(b%10))
7      {
8          printf("true");
9      }
10     else
11     {
12         printf("false");
13     }
14     return 0;
15 }
```



|   | Input | Expected | Got   |   |
|---|-------|----------|-------|---|
| ✓ | 25 53 | false    | false | ✓ |
| ✓ | 27 77 | true     | true  | ✓ |

Passed all tests! ✓



Question **3**

Correct

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**

3  
5  
4

**Sample Output**

yes

**For example:**

| Input       | Result |
|-------------|--------|
| 3<br>5<br>4 | yes    |

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

```
1  #include<stdio.h>
2  int main()
3  {
4      int a,b,c,d,e,f;
5      scanf("%d %d %d",&a,&b,&c);
6      d=a*a;
7      e=b*b;
8      f=c*c;
9      if(((d+e)==f)||((d+f)==e)||((e+f)==d))
10     {
11         printf("yes");
12     }
13     else
14     {
15         printf("no");
```

```
16     }  
17     return 0;  
18 }
```



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

Passed all tests! ✓

