

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     int n;
4     scanf("%d", &n);
5     if (n%2!=0) {
6         printf("Weird");
7     } else {
8         if(n>=2 && n<=5) {
9             printf("Not Weird");
10        } else if (n>=6 && n<=20) {
11            printf("Weird");
12        } else {
13            printf("Not Weird");
14        }
15    }
16    return 0;
17 }
```

	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
3  int main() {
4
5      int a, b, last_digit1, last_digit2;
6      scanf("%d", &a);
7      scanf("%d", &b);
8
9      last_digit1 = a%10;
10     last_digit2 = b%10;
11
12     if (last_digit1 == last_digit2) {
13         printf("true");
14     } else {
15         printf("false");
16     }
17
18     return 0;
19 }
```



	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 5 4	yes

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

```
1  #include <stdio.h>
2
3  int main() {
4
5      int a, b, c;
6
7      scanf("%d", &a);
8      scanf("%d", &b);
9      scanf("%d", &c);
10
11     int a2 = a*a, b2= b*b, c2 = c*c;
12     if (a2+b2 == c2 || b2+c2 == a2 || c2+a2 == b2) {
13         printf("yes");
14     } else {
15         printf("no");
16     }
17
18     return 0;
19 }
```

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

Passed all tests! ✓