

<b>Status</b>	Finished
<b>Started</b>	Saturday, 11 October 2025, 11:04 AM
<b>Completed</b>	Saturday, 11 October 2025, 11:45 AM
<b>Duration</b>	41 mins 10 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 { int n;
4 scanf("%d",&n);
5 if ((n & 1) || ((6<=n)&&(n<=20)))
6 { printf("Weird");
7 }
8 else
9 {
10 printf("Not Weird");
11 }
12 return 0;
13 }
```

	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,n,m;
5      scanf("%d %d",&a,&b);
6      n=a%10;
7      m=b%10;
8      if (n==m)
9      {
10         printf("true");
11     }
12     else
13     {printf("false");}
14     return 0;
15
16 }
```



	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  int main()
3  { int a,b,c,d,e,f;
4    scanf("%d %d %d",&a,&b,&c);
5    d=a*a;
6    e=b*b;
7    f=c*c;
8    if ((d==e+f) || (e==f+d) || (f==d+e))
9    { printf("yes");
10   }
11   else
12   {
13     printf("no");
14   }
15   return 0;
16 }
17
```



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

Passed all tests! ✓

