

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||(n>=6&&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 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     int a,b;
4     scanf("%d%d", &a, &b);
5     if(a%10==b%10)
6         printf("true");
7     else
8         printf("false");
9     return 0;
10 }
```

| | 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 | yes |
| 5 | |
| 4 | |

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 || a*a+c*c==b*b || b*b+c*c==a*a)
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! ✓

