

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	yes
5	
4	

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! ✓