Week 3 - 1:

--Coding-C-Language Features-Optional.

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Q1) 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

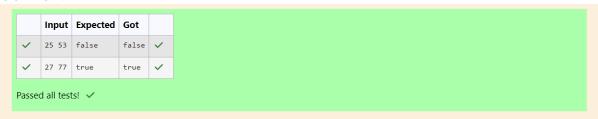
27 77

Sample Output 2

true

Code:

OUTPUT:



Q2) 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 < n < 100

Output Format

Print Weird if the number is weird; otherwise, print Not Weird.

Sample Input 0

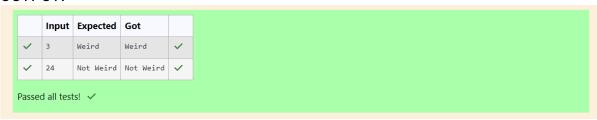
3

Sample Output 0

Weird

Code:

OUTPUT:



Q3) 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*3 + 4*4 = 25 = 5*5 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 1

3

5

4

Sample Output 1

Yes

Code:

```
#includecstdio.h>
int main()
{
    int a,b,c;
    scanf("%d %d %d",%a,8b,%c);
    if((a*a+b*b=c*c)||(a*a+c*c=-b*b)||(b*b+c*c=-a*a))
    {
        printf("yes\n");
    }
    else
    {
        printf("no\n");
    }
    return 0;
}
```

OUTPUT:

