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Week 3 – 1:
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--Coding-C-Language Features-Optional.

ROLL NO.:240801166

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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

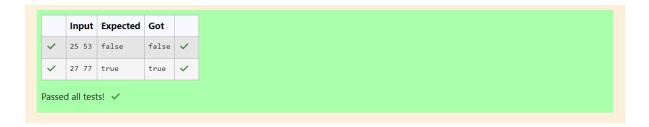
Sample Output 2

true

Code:

```
#include <stdio.h>
int main() {
    int a,b,c,d;
    scanf("%d %d",&a,&b);
    c = a%10;
    d = b%10;
    if(c == d)
    {
        printf("true");
    }
    else{
        printf("false");
    }
    return 0;
}
```

OUTPUT:



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

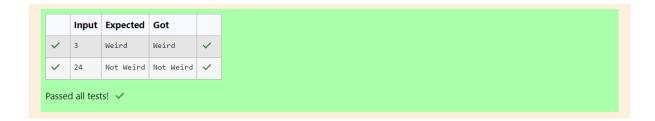
Sample Output 0

Weird

Code:

```
1 #include <stdio.h>
 2 v int main() {
        int n;
scanf("%d",&n);
if (n%2 != 0)
            printf("Weird");
        else if (n>=2 && n<=5)
10 +
11
            printf ("Not Weird");
12
13
         else if (n>=6 && n<=20)
14 v
             printf("Weird");
15
16
        else if (n>= 20)
17
18 🔻
19
            printf("Not Weird");
20
21
         return 0;
22 }
23
24
```

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:

OUTPUT: