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:

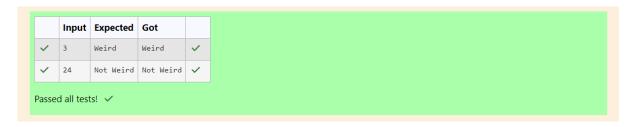
	Input	Expected	Got	
~	25 53	false	false	~
~	27 77	true	true	~

Passed all tests! 🗸

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:

```
#include<stdio.h>
2
    int main()
3 v
    {
 4
        int n;
        scanf("%d",&n);
5
 6
        if(n%2!=0)
7 .
8
           printf("Weird\n");
9
10
        }
11
        else
12 •
          if(n>=2 && n<=5)
13
14 +
            printf("Not Weird\n");
15
16
          else if(n>=6 && n<=20)
17
18 +
             printf(" Weird\n");
19
20
          else if(n>20)
21
22 •
          {
            printf("Not Weird");
23
24
25
         }
26
27
28
        return 0;
29 }
```

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*5You 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

4

Sample Output 1

Yes

Code:

```
#include<stdio.h>
int main()

3 *
             int a,b,c;
scanf("%d %d %d ",&a,&b,&c);
if((a*a+b*b==c*c)||
   (a*a+c*c==b*b)||
   4
   6
    8
                (b*b+c*c==a*a))
    9 ,
   10
                     printf("yes\n");
               }
else
{
   11
   12
  13 v
14
                 printf("no\n");
   15
   16
                 }
                 return 0;
   17
   18 }
```

OUTPUT:

