Week 3-1:

-- Practice Session- Coding

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Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Wednesday, 16 October 2024, 8:09 PM
Duration	67 days 21 hours

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

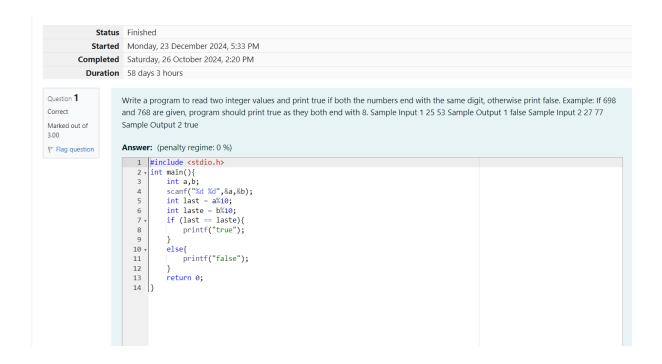
Sample Input 2

27 77

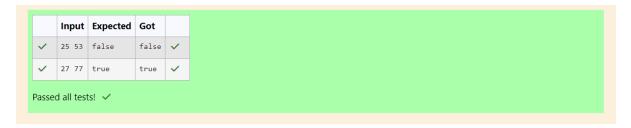
Sample Output 2

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

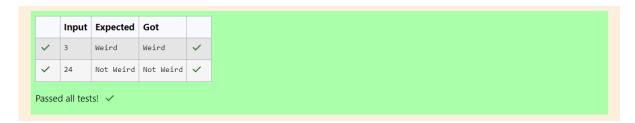
Sample Output 0

Weird

Code:

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

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:

```
1 #include<stdio.h>
2 v int main(){
3
       int a,b,c;
       scanf("%d %d %d",&a,&b,&c);
4
5
      if((a*a+b*b==c*c)||
          (a*a+c*c==b*b)|
6
7 .
          (b*b+c*c==a*a)){}
            printf("yes\n");
8
         }else{
9 ,
10
            printf("no\n");
11
12
         }
               return 0;
13 }
```

Output: