Week 3 – 1:

--Coding-C-Language Features-Optional.

ROLL NO.:240801150

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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

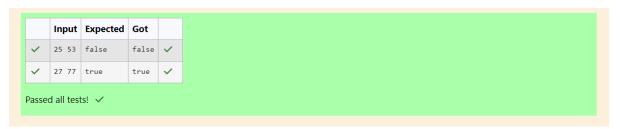
Code:

```
Status Finished
            Started Monday, 23 December 2024, 5:33 PM
        Completed Monday, 9 December 2024, 2:24 PM
          Duration 14 days 3 hours
Question 1
                     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
Marked out of
                     Answer: (penalty regime: 0 %)

▼ Flag question

                          1 #include<stdio.h>
                              int main()
                                  int a,b,Q1,Q2;
scanf("%d %d",&a,&b);
Q1=a%10;
Q2=b%10;
                                  if(Q1==Q2)
                                       printf("true");
                         10
                        11
12
13
14
15
16
17
18
19
                                   else
                                      printf("false");
                             return 0;
                        20
21
22
```

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

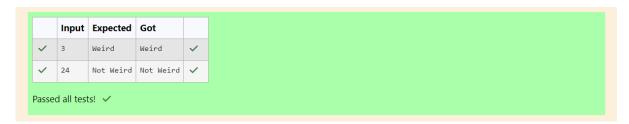
Sample Output 0

Weird

Code:

```
#include<stdio.h>
 1
     int main()
 2
 3 ▼
    {
         int a;
scanf("%d",&a);
if(a%2==1)
 4
 5
 6
 7 🔻
8
              printf("Weird");
 9
10
         else if(2 <= 5)
11 •
          {
              printf("Not Weird");
12
13
         }
          else if(6<=20)
14
15 v
          {
              printf("Weird");
16
17
          }
          else
18
19
          {
              printf("Not Weird");
20
          }
21
22
     return 0;
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*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

5

4

Sample Output 1

Yes

Code:

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

	Input	Expected	Got	
~	3	yes	yes	~
	4			
~	5	no	no	~
	2			

OUTPUT: