## Week 3 – 1:

--Coding-C-Language Features-Optional.

ROLL NO.:240801170

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Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Saturday, 26 October 2024, 2:19 PM
Duration	58 days 3 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

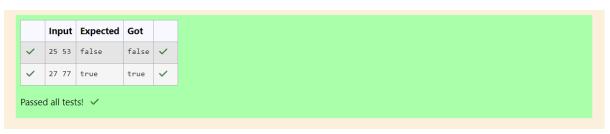
Sample Output 2

true

Code:

```
Status Finished
              Started Monday, 23 December 2024, 5:33 PM
          Completed Saturday, 26 October 2024, 2:20 PM
            Duration 58 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
Correct
                        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
3.00
                         Answer: (penalty regime: 0 %)
Flag question
                             1 |#include <stdio.h>
                                 minclude <stol.n>
int main(){
   int a,b;
   scanf("%d %d",&a,&b);
   int last = a%10;
   int laste = b%10;
   if (last == laste){
        printf("true");
   }
}
                             4
5
                                       else{
printf("false");
                            11
12
13
14 }
                                       return 0;
```

# 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

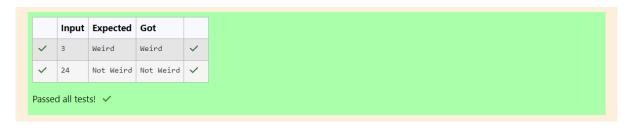
# Sample Output 0

Weird

Code:

```
#include <stdio.h>
 2 v int main(){
        int a;
scanf("%d",&a);
 3
 4
 5 *
        if (a%2 == 0){
             if (a>=2 && a<=5){
 6 •
                 printf("Not Weird");
 7
 8
 9 🔻
             else if (a>=6 && a<=20){
10
                 printf("Weird");
11
             else if (a>20){
12 1
                 printf("Not Weird");
13
14
15
         else if (a%2!= 0){
printf("Weird");
16 •
17
18
19 🔻
            printf("Not Weird");
20
21
22
        return 0;
23 }
```

#### **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;
        //int ab = a*a+b*b;
        scanf("%d %d %d",&a,&b,&c);
 5
        // int ab = a*a+(b*b);
  6
         if (a>=b && a>=c){
 7 ,
  8
            int ab = b*b + (c*c);
 9 ,
             if (ab == a*a){
 10
                printf("yes");
 11
 12 •
             else{
              printf("no");
 13
 14
 15
         else if(b>=a \&\& b>=c){
 16 •
            int ab = a*a+(c*c);
 17
 18 🔻
            if (ab == b*b){
 19
                printf("yes");
 20
 21 🔻
            else{
 22
            printf("no");
 23
 24
 25 🔻
         else if(c>=a && c>=b){
 26
            int ab = a*a+(b*b);
            if (ab == c*c){
 27 •
 28
                printf("yes");
 29
 30 🔻
            else{
 31
            printf("no");
 32
 33
            // printf("yes");
 34
 35 ₹
         else{
         printf("no");
 36
 37
 38
         return 0;
 39
 40 }
```

### **OUTPUT:**

