```
Week 3 – 1:
```

--Coding-C-Language Features-Optional.

ROLL NO.:240801195

Name: MANOJKUMAR E

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

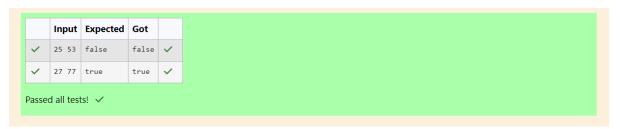
true

Code:

Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Saturday, 26 October 2024, 2:21 PM
Duration	58 days 3 hours

```
#include<stdio.h>
    int main()
 2
3 ▼
    {int a,b,c,d;
    scanf("%d %d",&a,&b);
4
5
    c = a\%10;
    d=b\%10;
6
7
    if(c==d)
    printf("true");
8
    else printf("false");
9
10
    return 0;}
11
```

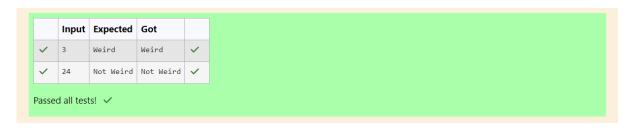
OUTPUT:



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>
 2
    int main()
 3 √ {int a;
    scanf("%d",&a);
 4
    if(a%2==0)
 5
 6 ₹
    {
        if(a<5)
 7
        printf("Not Weird");
 8
        else if(a<20)
 9
        printf("Weird");
10
        else printf("Not Weird");
11
12
13
14
    else printf("Weird");
15
    return 0;}
16
```

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:

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

OUTPUT:

	Input	Expected	Got	
~	3	yes	yes	~
	5 4			
~	5 8	no	no	~
	2			
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