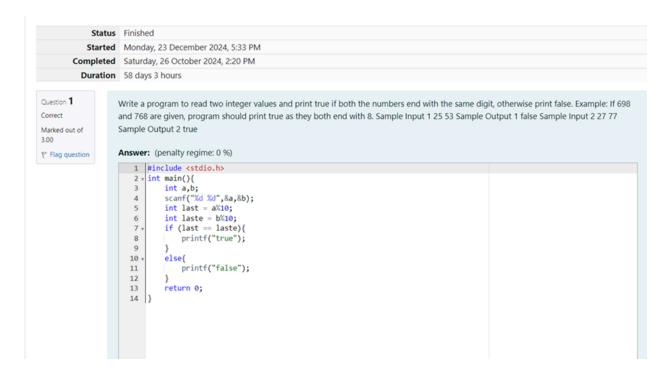
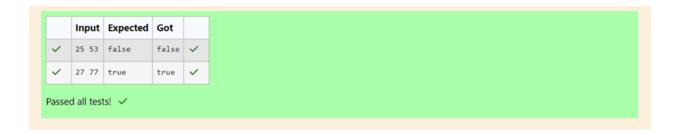
Week 3 – 1:
Coding-C-Language Features-Optional.
ROLL NO.:240801146
Name: Kapil Thilak R.M
Q1) Write a program to read two integer values and print true if both the numbers end with
the same digit, otherwise print false.
Example: If 698 and 768 are given, program should print true as they both end with 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

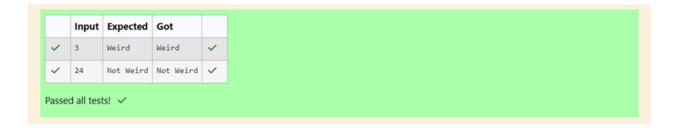
Given an integer, n, perform the following conditional actions:

- 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:

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

```
#include <stdio.h>
    int main(){
 2 *
 3
         int a,b,c;
4
         //int ab = a*a+b*b;
 5
         scanf("%d %d %d",&a,&b,&c);
 6
       // int ab = a*a+(b*b);
7 ,
         if (a>=b \&\& a>=c){}
             int ab = b*b + (c*c);
8
9 ,
             if (ab == a*a){
                 printf("yes");
10
11
             }
12 *
             else{
                 printf("no");
13
14
15
16 +
         else if(b>=a && b>=c){
17
             int ab = a*a+(c*c);
18 •
             if (ab == b*b){
19
                 printf("yes");
20
             }
21 +
             else{
22
                 printf("no");
23
24
25 *
         else if(c>=a && c>=b){
             int ab = a*a+(b*b);
26
             if (ab == c*c){
27 *
28
                 printf("yes");
29
30 +
             else{
31
                 printf("no");
32
33
            // printf("yes");
34
35 +
         else{
36
             printf("no");
37
38
         return 0;
39
40
```

OUTPUT:

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

Passed all tests! ✓