

# GE23131-Programming Using C-2024

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Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Thursday, 7 November 2024, 10:51 AM
Duration	46 days 6 hours

Question 1

Correct

Marked out of 3.00

Flag question

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

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int a,b;
5     scanf("%d%d",&a,&b);
6     if(a%10==b%10)
7     {
8         printf("true");
9     }
10    else
11    {
12        printf("false");
13    }
14    return 0;
15 }
```

	Input	Expected	Got	
✓	25 53	false	false	✓
✓	27 77	true	true	✓

Passed all tests! ✓

Sample Input 1

24

Sample Output 1

Not Weird

Explanation

Sample Case 0: *n* = 3

*n* is odd and odd numbers are weird, so we print *Weird*.

Sample Case 1: *n* = 24

*n* > 20 and *n* is even, so it isn't weird. Thus, we print *Not Weird*.

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int n;
5     scanf("%d",&n);
6     if(n%2!=0)
7     {
8         printf("Weird");
9     }
10    else
11    {
12        if(2<n&&n<5)
13        {
14            printf("Not Weird");
15        }
16        else if(6<n&&n<20)
17        {
18            printf("Weird");
19        }
20        else
21        {
22            printf("Not Weird");
23        }
24    }
25    return 0;
26 }
```

	Input	Expected	Got	
✓	3	Weird	Weird	✓
✓	24	Not Weird	Not Weird	✓

Passed all tests! ✓



Question **3**

Correct

Marked out of  
7.00 Flag question

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  $3^2 + 4^2 = 25 = 5^2$ . 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 Sample Input 2 5 8 2 Sample Output 2 no

**Answer:** (penalty regime: 0 %)

```
1  #include<stdio.h>
2  int main()
3  {
4      int a,b,c;
5      scanf("%d%d%d",&a,&b,&c);
6      if(a*a==b*b+c*c)
7      {
8          printf("yes");
9      }
10     else if(b*b==c*c+a*a)
11     {
12         printf("yes");
13     }
14     else if(c*c==a*a+b*b)
15     {
16         printf("yes");
17     }
18     else
19     {
20         printf("no");
21     }
22     return 0;
23 }
```

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

Passed all tests! ✓

Finish review