

GE23131-Programming Using C-2024

Quiz navigation



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Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Friday, 25 October 2024, 12:39 PM
Duration	59 days 4 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     int a, b, resa, resb;
4     scanf("%d %d",&a,&b);
5     resa = a%10;
6     resb = b%10;
7     if(resa == resb){
8         printf("true");
9     }else{
10        printf("false");
11    }
12    return 0;
13 }
```


✓	25 53	false	false	✓
✓	27 77	true	true	✓

Passed all tests! ✓

Question **2**

Correct

Marked out of 5.00

 [Flag question](#)

Objective

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

- $1 \leq n \leq 100$

Print Weird if the number is weird; otherwise, print Not Weird.

Sample Input 0

3

Sample Output 0

Weird

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 %)

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

	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     int a,b,c;
4     scanf("%d %d %d",&a,&b,&c);
```

```
8  }else{
9      printf("no");
10 }
11 }else if(b>a && b>c){
12     if (b*b == a*a + c*c){
13         printf("yes");
14     }else{
15         printf("no");
16     }
17 }else{
18     if(c*c == a*a + b*b){
19         printf("yes");
20     }else {
21         printf("no");
22     }
23 }
24 return 0;
25 }
```

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

Passed all tests! ✓