

Week 03-01-Practice Session-Coding: Attempt review | REC-CIS - Google Chrome

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=102824&cmid=73

REC-CIS

GE23131-Programming Using C-2024

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Show one page at a time

Finish review

StatusFinished

StartedMonday, 23 December 2024, 5:33 PM

CompletedFriday, 29 November 2024, 8:58 AM

Duration24 days 8 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,c,d;
4     scanf("%d %d",&a,&b);
5     c=a%10;
6     d=b%10;
7     if(c==d){
8         printf("true");
9     }
10 }
11 else{
12     printf("false");
13 }
14 return 0;
```

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	Input	Expected	Got	
✓	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**

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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**

$1 \leq n \leq 100$

**Output Format**

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

**Sample Input 0**

3

**Sample Output 0**

Weird

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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 %)

```
1 #include<stdio.h>
2 int main(){
3     int n;
```

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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     int n;
4     scanf("%d",&n);
5     if(n%2==1){
6         printf("Weird");
7     }
8     else if(n>2 && n<=5){
9         printf("Not Weird");
10    }
11    else if(n>=6 && n<=20){
12        printf("weird");
13    }
14    else{
15        printf("Not Weird");
16    }
17    return 0;
18 }
```

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	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);
5     if((c*c)+(b*b)==(a*a)){
6         printf("yes");
7     }
8     else if((c*c)+(a*a)==(b*b)){
9         printf("yes");
10    }
11    else if((a*a)+(b*b)==(c*c)){
12        printf("yes");
13    }
14 }
```

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```
10 }
11 else if((a*a)+(b*b)==(c*c)){
12     printf("yes");
13 }
14 else{
15     printf("no");
16 }
17 return 0;
18 }
```

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

Passed all tests! ✓

Finish review