REC-CIS

GE23131-Programming Using C-2024

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Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Monday, 28 October 2024, 8:52 AM
Duration	56 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 false. Example: If 698 and 768 are given, program should print true as they both end with 8. Sampl Output 1 false Sample Input 2 27 77 Sample Output 2 true

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main() {
int a,b;
scanf("%d %d",&a,&b);
if((a%10)==(b%10))
{
printf("true");
}
else
{
printf("false");
}
}
```

	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***

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***.

- $1 \leq n \leq 100$

Output Format

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

Sample Input 0

3

Sample Output 0

Weird

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 %)

```
#include<stdio.h>
int main() {
    int n;
    scanf("%d",&n);
    while(n>0) {
        if (n%2 != 0) {
            printf("Weird");
            break;
        }else if ((n%2 == 0) && ((2<n) && (n<6))) {
            printf("Not Weird");
            break;
        }else if ((n%2 == 0) && ((6<n) && (n<20))) {
            printf("Weird");
            break;
        }else if((n%2 == 0) && (n>20)) {
            printf("Not Weird");
            break;
        }
    }
}
```

	Input	Expected	Got	
	3	Weird	Weird	
	24	Not Weird	Not Weird	

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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 squ example, 3, 5 and 4 form a Pythagorean triple, since 3*3 + 4*4 = 25 = 5*5 You are given three inte need not be given in increasing order. If they form a Pythagorean triple, then print "yes", otherwise note that the output message is in small letters. Sample Input 1 3 5 4 Sample Output 1 yes Sample Output 2 no

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main() {
    int a,b,c;
    scanf("%d %d %d",&a,&b,&c);
    if ((a*a + c*c == b*b) || (a*a + b*b == c*c) || (c*c + b*b == a*a)) {
        printf("yes");
    }
    else {
        printf("no");
    }
}
```

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

Passed all tests!

Save the state of the flags