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, 9:49 AM
Duration	56 days 7 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 s
and 768 are given, program should print true as they both end with 8. Sample Input 1 25 53 S
Sample Output 2 true

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int x,y,digitx,digity;
    scanf("%d %d", &x, &y);
    digitx = x % 10;
    digity = y % 10;

    if(digitx == digity)
    {
        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.

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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

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 %)

```c
#include<stdio.h>
int main()
{
    int n;
    scanf("%d", &n);

    if(n%2==1)
    {
        printf("Weird");
    }
    else if((n%2==0) && (n>=2 && n<=5))
    {
        printf("Not Weird");
    }
    else if((n%2==0) && (n>=6 && n<=20))
    {
        printf("Weird");
    }
    else if((n%2==0) && (n=20))
    {
        printf("Not Weird");
    }

```

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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 th
form a Pythagorean triple, since 3*3 + 4*4 = 25 = 5*5 You are given three integers, a, b, and c
they form a Pythagorean triple, then print "yes", otherwise, print "no". Please note that the ou
3 5 4 Sample Output 1 yes Sample Input 2 5 8 2 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)+(b*b)==c*c || (a*a)+(c*c)==b*b || (b*b)+(c*c)==a*a)
    {
        printf("yes");
    }
    else
    {
        printf("no");
    }
    return 0;
}
```

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

Passed all tests!