GE23131-Programming Using C-2024

Quiz navigation

Show one page at a time

Finish review

Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Tuesday, 19 November 2024, 6:09 PM
Duration	33 days 23 hours

Question 1

Correct

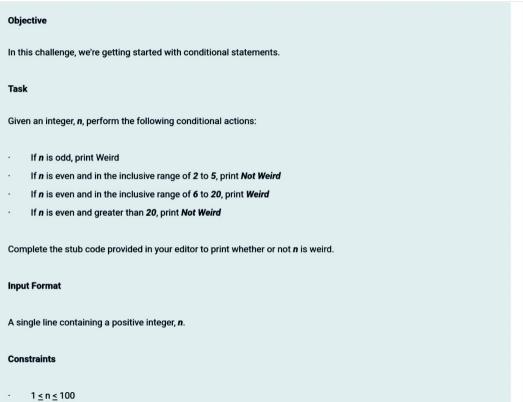Marked out of 3.00

⚑ 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,c,d;
5  scanf("%d%d",&a,&b);
6  c=a%10;
7  d=b%10;
8  if(c==d)
9  {
10 printf("true");
11 }
12 else
13 {
14 printf("false");
15 }
16 return 0;
17 }
```

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
int a,b,c,d;
scanf("%d%d",&a,&b);
c=a%10;
d=b%10;
if(c==d)
{
printf("true");
}
else
{
printf("false");
}
return 0;
}
```

	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*.

Constraints

· $1 \le n \le 100$

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

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***.

```c
#include<stdio.h>
int main()
{
    int a;
    scanf("%d",&a);
    if(a%2!=0)
    {
        printf("Weird");
    }
    else if(a%2==0&&a>=2&&a<=5)
    {
        printf("Not Weird");
    }
    else if(a%2==0&&20>=a&&a>=6)
    {
        printf("Weird");
    }
    else
    {
        printf("Not Weird");
    }
    return 0;
}
```

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

Passed all tests! ✓

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*3 + 4*4 = 25 = 5*5 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 %)

```c
#include<stdio.h>
int main()
{
    int a,b,c;
    scanf("%d %d %d",&a,&b,&c);
    if(a*a+b*b==c*c||b*b+c*c==a*a||a*a+c*c==b*b)
    {
        printf("yes");
    }
    else
    {
        printf("no");
    }
    return 0;
}
```

Input	Expected	Got

```
  9        }
 10        else
 11        {
 12            printf("no");
 13        }
 14        return 0;
 15    }
```

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

Passed all tests! ✓

Finish review