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GE23131-Programming Using C-2024

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| **Status** | Finished |
| **Started** | Monday, 23 December 2024, 5:33 PM |
| **Completed** | Saturday, 26 October 2024, 1:11 PM |
| **Duration** | 58 days 4 hours |

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



Question **1**

Correct

Marked out of 3.00

Flag question

Quiz navigation

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Finish review

**Answer:** (penalty regime: 0 %)

#include<stdio.h>

int main()

{

2

3 ▼

4

5

6 ▼

7

8

9 ▼

10

11

12

13

1

int a,b;

scanf("%d%d",&a,&b); if(a%10==b%10){

printf("true");

}

else{

}

printf("false");

return 0;



}

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Passed all tests!

**Objective**

In this challenge, we're getting started with conditional statements.

**Task**

Given an integer, ***n***, perform the following conditional actions:

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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** | **Expected** | **Got** |  |
|  | 25 53 | false | false |  |
|  | 27 77 | true | true |  |



Question **2**

Correct

Marked out of 5.00

Flag question

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**Input Format**

**Sample Output 1**

24

**Sample Input 1**

Weird

**Sample Output 0**

3

**Sample Input 0**

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

**Output Format**

1 < n < 100

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**Constraints**

A single line containing a positive integer, ***n***.

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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 %)

2

1

#include<stdio.h> int main()

{

int n;

scanf("%d",&n); if(n%2==1) {

printf("Weird");

}

else if(n/2==0&&n<=6&&n>=20){ printf("Not Weird");

}

else if(n/2==0&&n<=6&&n>=20){ printf("Weird");

}

else

{

printf("Not Weird");

}

return 0;

}

3 ▼

4

5

6 ▼

7

8

9 ▼

10

11

12 ▼

13

14

15

16 ▼

17

18

19

20

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**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



Question **3**

Correct

Marked out of 7.00

Flag question



**Answer:** (penalty regime: 0 %)

#include<stdio.h>

int main()

{

2

3 ▼

4

5

6 ▼

7

8

9 ▼

10

11

12

13

1

int a,b,c;

scanf("%d\n%d\n%d\n", &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;

}

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Input** | **Expected** | **Got** |  |
|  | 3  5  4 | yes | yes |  |
|  | 5  8  2 | no | no |  |

Passed all tests!

Finish review