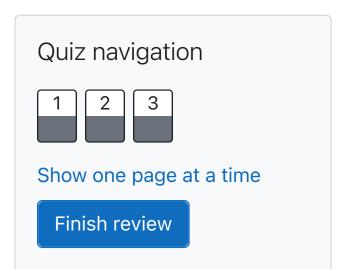
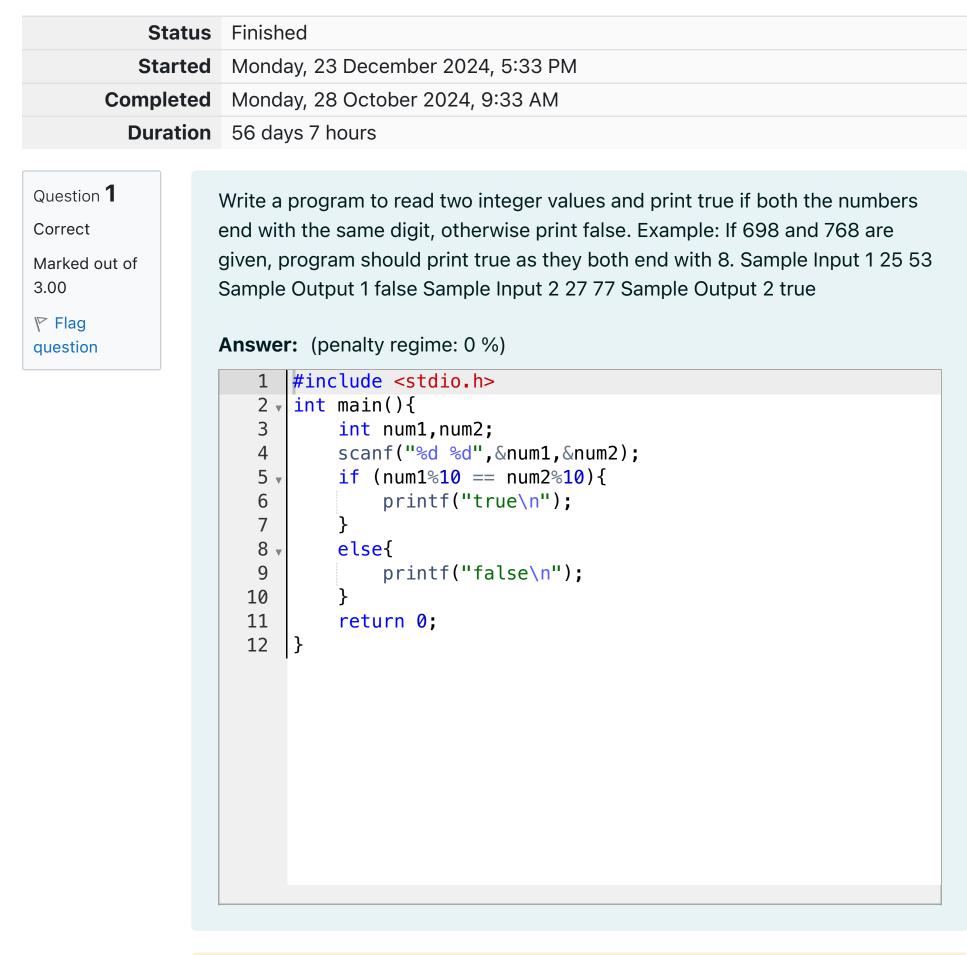
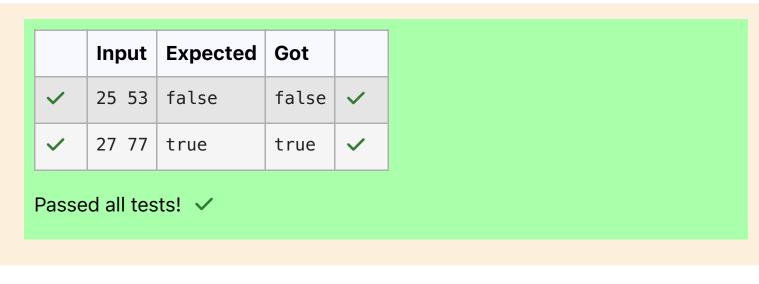
GE23131-Programming Using C-2024







Correct

Marked out of 5.00

Flag question

Question **2**

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 in the inclusive range of **o** to **20**, print **went**

Complete the stub code provided in your editor to print whether or not \mathbf{n} is weird.

Input Format

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

Constraints

1 <u><</u> n <u><</u> 100

Output Format

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

Sample Input 0

3

Weird

Sample Output 0

Sample Input 1

24

Sample Output 1

Not Weird

Explanation

n is odd and odd numbers are weird, so we print Weird.

Sample Case 1: n = 24n > 20 and n is even, so it isn't weird. Thus, we print **Not Weird**.

1 #include <stdio.h>

int n;

int main (){

Sample Case 0: **n = 3**

Answer: (penalty regime: 0 %)

```
scanf("%d",&n);
        if (n%2!=0){
 5
            printf("Weird\n");
 6
 7
        else{
 8
9
             if (n>=2 \&\& n<=5) {
                 printf("Not Weird\n");
10
11
            else if (n>=6 \&\& n<=20){
12
                 printf("Weird\n");
13
14
            else if (n>20){
15
                 printf("Not Weird\n");
16
17
18
19
        return 0;
20
21
```

Correct

Marked out of 7.00

Flag question

Question **3**

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 %)

1 #include <stdio.h>

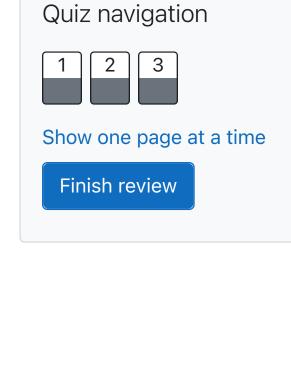
Three numbers form a Pythagorean triple if the sum of squares of two numbers

		0-4	
Input	Expected	Got	
3	yes	yes	~
4			
5	no	no	~
8			
	3 5 4	3 yes 5 4	3 yes yes 5 4

Finish review

REC-CIS

GE23131-Programming Using C-2024



Question 1 Correct Marked out of 3.00 ▼ Flag question

Completed Tuesday, 5 November 2024, 8:38 AM **Duration** 48 days 8 hours Write a program that determines the name of a shape from its number of sides. Read the number of sides from the user and then report the appropriate name as part of a meaningful message. Your program should support shapes with

Started Monday, 23 December 2024, 5:33 PM

anywhere from 3 up to (and including) 10 sides. If a number of sides outside of this range is entered then your program should display an appropriate error

message.

3

Status Finished

Sample Input 1

Sample Output 2

Heptagon Sample Input 3

11 Sample Output 3

Answer: (penalty regime: 0 %) 2 v int main(){ 3 4 5

6

7

8

9

10

25

26

27

28

29

30

31 32 return 0; 33 34 Input Expected 3 **✓** 11 Passed all tests! <

Year

Question 2

Marked out of

Correct

5.00

▼ Flag

question

2008 2009 2010 2011 associated with that year. Your program should work correctly for any year greater than or equal to zero, not just the ones listed in the table. Sample Input 1

2004

Monkey

Sample Output 1

Sample Input 2 2010 Sample Output 2 Tiger

Input Expected Got

Monkey

Tiger

2004

2010

Passed all tests! <

Monkey

Tiger

Write a program that reads a position from the user. Use an if statement to determine if the column begins with a black square or a white square. Then use modular arithmetic to report the color of the square in that row. For example, if the user enters a1 then your program should report that the square is black. If the user enters d5 then your program should report that the square is white. Your program may assume that a valid position will always be entered. It does not need to perform any error checking. Sample Input 1 a 1

Sample Input 2 d 5 Sample Output 2

Input Expected Got The square is black. The square is black. The square is white. The square is white.

Finish review

Sample Output 1

Triangle 7

Sample Input 2

#include <stdio.h>

int sides;

switch(sides){

case 3:

case 4:

case 5:

case 6:

case 7:

case 8:

case 9:

case 10:

default:

scanf("%d", &sides);

break;

break;

break;

break;

break;

break;

break;

break;

The number of sides is not supported.

printf("Triangle"); printf("Quadrilateral"); printf("Pentagon"); printf("Hexagon"); printf("Heptagon"); printf("Octagon"); printf("Nonagon"); printf("Decagon");

Triangle Triangle Heptagon Heptagon The number of side The number of sides is not supported. The Chinese zodiac assigns animals to years in a 12-year cycle. One 12-year cycle is shown in the table below. The pattern repeats from there, with 2012 being another year of the Dragon, and 1999 being another year of the Hare.

printf("The number of sides is not supported."

Got

Animal 2000 Dragon 2001 Snake 2002 Horse 2003 Sheep 2004 Monkey 2005 Rooster 2006 Dog 2007 Pig Rat Ox Tiger Hare Write a program that reads a year from the user and displays the animal

Answer: (penalty regime: 0 %) 1 #include <stdio.h> 2 v int main(){ 3 int year; const char * zodiacanimals[]={"Monkey","Roster","Dog", 4 scanf("%d",&year); if(year<0){</pre> 6 ▼ printf("Please enter a valid year."); 7 8 return 1; 9 int index = (year-2004)%12; 10 if (index<0){</pre> 11 • 12 index += 12;13 printf("%s\n", zodiacanimals[index]); return 0;

identifies the column, while the number identifies the row, as shown below: 8 6

Positions on a chess board are identified by a letter and a number. The letter

Sample Output 1 The square is black.

The square is white. Answer: (penalty regime: 0 %) 1 #include <stdio.h> 2 v int main(){

char column;

scanf("%c%d",&column,&row);

int columnIndex = column-'a';

int isBlackrow = (row%2==0);

if(isBlackcolumn == isBlackrow){

int isBlackcolumn = (columnIndex%2==0);

printf("The square is white.");

printf("The square is black.");

int row;

else{

return 0;

a 1 d 5

question

Question **3**

Marked out of

Correct

7.00

▼ Flag

6 8

3

Passed all tests! <