GE23131-Programming Using C-2024

Quiz navigation

Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Tuesday, 29 October 2024, 9:06 AM
Duration	55 days 8 hours

Question **1**

Correct

Marked out of 3.00

☐ ⚑ Flag question

Write a program that determines the name of a shape from its number of sides. Read the num
and then report the appropriate name as part of a meaningful message. Your program should
anywhere from 3 up to (and including) 10 sides. If a number of sides outside of this range is e
should display an appropriate error message.

Sample Input 1

3

Sample Output 1

Triangle

Sample Input 2

7

Sample Output 2

Heptagon

Sample Input 3

11

Sample Output 3

The number of sides is not supported.

Answer: (penalty regime: 0 %)

	3	Triangle	Triangle
	7	Heptagon	Heptagon
	11	The number of sides is not supported.	The number of sides is not supp

Passed all tests!

Question **2**

Correct

Marked out of
5.00

☐⚑ Flag
question

The Chinese zodiac assigns animals to years in a 12-year cycle. One 12-year cycle is shown in
pattern repeats from there, with 2012 being another year of the Dragon, and 1999 being ano

Year   Animal

2000   Dragon

2001   Snake

2002   Horse

2003   Sheep

2004   Monkey

2005   Rooster

2006   Dog

2007   Pig

2008   Rat

2009   Ox

2010   Tiger

2011   Hare

Write a program that reads a year from the user and displays the animal associated with that
work correctly for any year greater than or equal to zero, not just the ones listed in the table.

Sample Input 1

2004

Sample Output 1

Monkey

Sample Input 2

2010

Sample Output 2

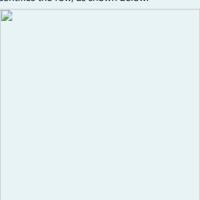Tiger

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
	2004	Monkey	Monkey	
	2010	Tiger	Tiger	

Passed all tests!

Positions on a chess board are identified by a letter and a number. The letter identifies the co
identifies the row, as shown below:

Write a program that reads a position from the user. Use an if statement to determine if the colu
square or a white square. Then use modular arithmetic to report the color of the square in that r
enters a1 then your program should report that the square is black. If the user enters d5 then yo
that the square is white. Your program may assume that a valid position will always be entered. It
any error checking.

Sample Input 1

a 1

Sample Output 1

The square is black.

Sample Input 2

d 5

Sample Output 2

The square is white.

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
	a 1	The square is black.	The square is black.	
	d 5	The square is white.	The square is white.	

Passed all tests!

Save the state of the flags