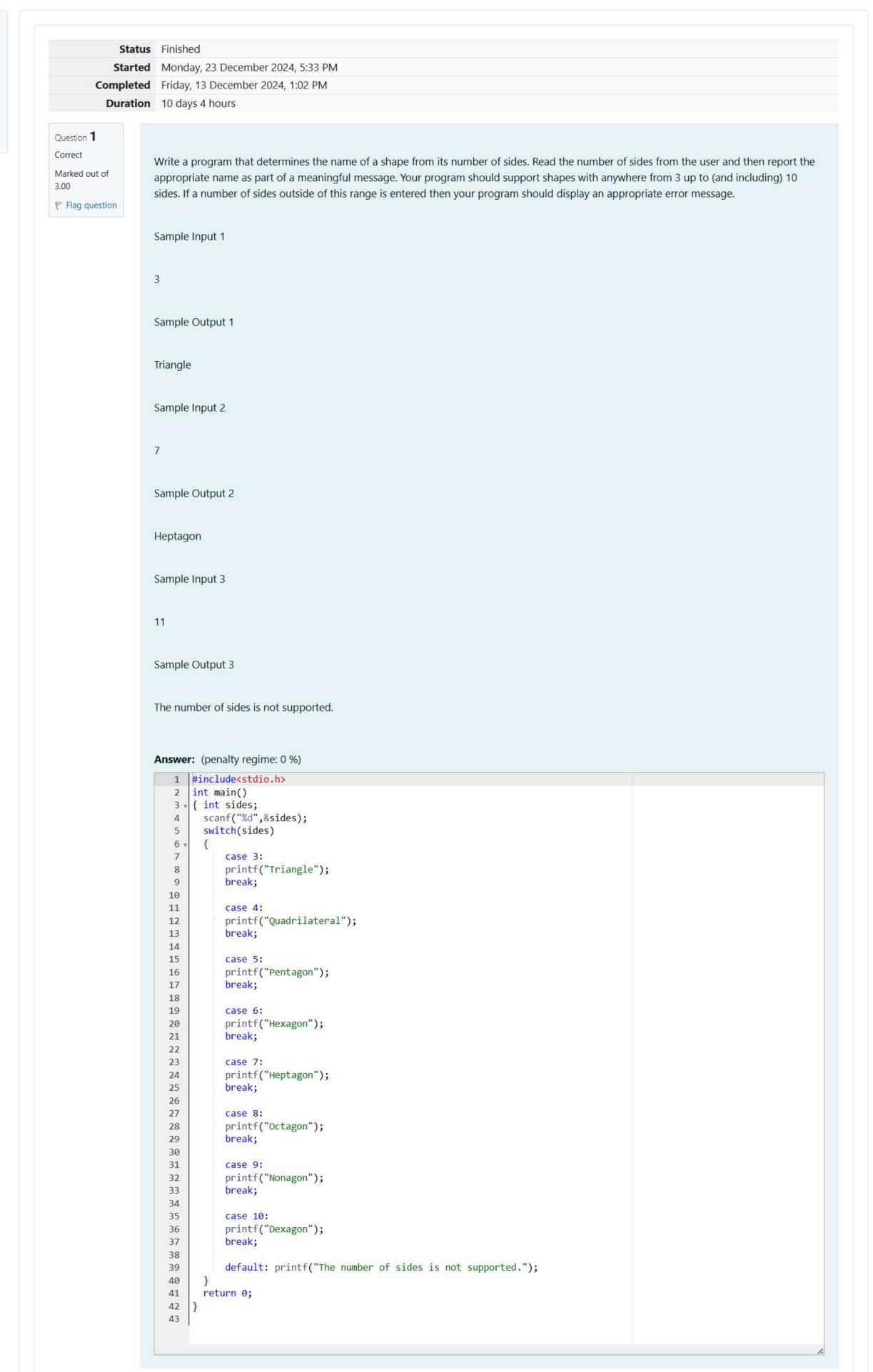
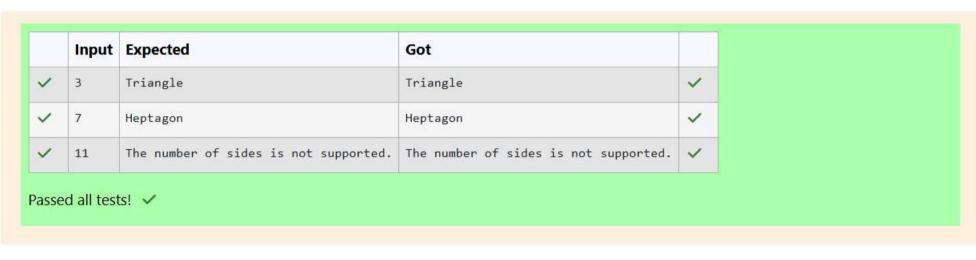
REC-CIS

GE23131-Programming Using C-2024







Correct

Marked out of 5.00

Flag question

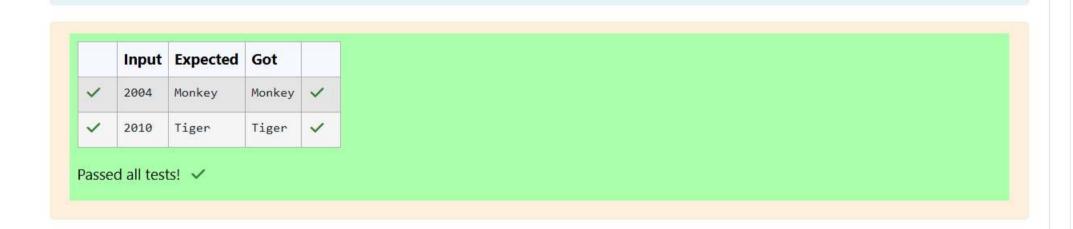
Question 2

with 2012 being another year of the Dragon, and 1999 being another year of the Hare.

Year Animal

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,

```
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 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
Sample Output 1
Monkey
Sample Input 2
2010
Sample Output 2
Tiger
Answer: (penalty regime: 0 %)
      #include<stdio.h>
       int main()
    2
    3 ₹ {
    4
            const char*animal[]={"Dragon", "Snake", "Horse", "Sheep", "Monkey", "Rooster", "Dog", "Pig", "Rat", "Ox", "Tiger", "Hare"}
    6
            scanf("%d",&year);
            int index = (year - 2000)%12;
            if (index < 0){
    8
```



Correct

Marked out of
7.00

Flag question

Question 3

Positions on a chess board are identified by a letter and a number. The letter identifies the column, while the number identifies the row, as

a b c d e f g h

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

```
The square is black.

Sample Input 2
```

Sample Output 1

a 1

9

10

11 12

13 }

shown below:

index += 12;

return 0;

printf("%s",animal[index]);

Sample Input 2 d 5

Sample Output 2

The square is white.

Answer: (penalty regime: 0 %)

5

8

9

11

12 13

#include<stdio.h>
int main()

char column;

scanf("%c%d",&column,&row);
if ((column - 'a'+ row)%2 == 0)

printf("The square is white.\n");

{printf("The square is black.\n");

int row;

else

```
Input Expected Got

a 1 The square is black. The square is black. 

d 5 The square is white. The square is white.
```

V d 5 The square is white. The square is white. V

Passed all tests! V

Finish review

Finish review