Thank you for taking the Week 7: Assignment 7.

Week 7: Assignment 7

Your last recorded submission was on 2021-09-06, 16:50 Due date: 2021-09-15, 23:59 IST. IST

1) What will the following program do? ***1 point***

```
from PIL import Image
im=Image.open('snakesandladders.png')
im.show()
im.save('snakeimage.png')
```

- ○ Rename the snakesandladders.png file as snakeimage.png
- ○ Creates a new file called snakeimage.png
- ◉ Creates a new file called snakeimage.png with the same content as in the snakesandladders.png
- ○ Invalid operation

2) Which of the following statements is wrong regarding csv? ***1 point***

- ○ CSV stands for Comma Separated Values
- ○ It's a simple file format used to store tabular data, such as spreadsheet or database
- ○ The use of the commas a field separator is the source of the name for this file format
- ◉ None of the above

3) If a player has a score of 87 and rolls the dice in the snake and ladder game. If he gets a 5, what will be the player's position next considering the dictionary associated with the game? ***1 point***

Assessment submitted
X

Part 01 (unit?unit=143&lesson=145)

- Snakes and Ladders - Not on the Board - Part 02 (unit?unit=143&lesson=146)
- Snakes and Ladders - Not on the Board - Part 03 (unit?unit=143&lesson=147)
- Snakes and Ladders - Not on the Board - Part 04 (unit?unit=143&lesson=148)
- Snakes and Ladders - Not on the Board - Part 05 (unit?unit=143&lesson=149)
- Snakes and Ladders - Not on the Board - Part 06 (unit?unit=143&lesson=150)
- Spiral Traversing - Let's Animate (unit?unit=143&lesson=151)
- Spiral Traversing - Let's Animate - Part 01 (unit?unit=143&lesson=152)
- Spiral Traversing - Let's Animate - Part 02 (unit?unit=143&lesson=153)
- Spiral Traversing - Let's Animate - Part 03 (unit?unit=143&lesson=154)
- Spiral Traversing - Let's Animate - Part 04 (unit?unit=143&lesson=155)

```
dict={
  92:79,
  95:51,
  87:18,
  62:22,
  57:40,
  52:29,
  17:13,
  80:100,
  90:91,
  75:86,
  58:77,
  28:84,
  8:30,
  3:21
}
```

- ○ 79
- ○ 97
- ○ 92
- ◉ The player cannot be in position number 87

4) What will be the output of the following program? ***1 point***

Assessment submitted.
X


```
R = 4
C = 5

def Traversal(m, n, a):
    k = 0
    l = 0
    stk = []

    while (k <= m and l <= n):
        for i in range(l, n + 1):
            stk.append(a[k][i])
        k += 1
        for i in range(k, m + 1):
            stk.append(a[i][n])
        n -= 1
        if ( k <= m):
            for i in range(n, l - 1, -1):
                stk.append(a[m][i])
            m -= 1
        if (l <= n):
            for i in range(m, k - 1, -1):
                stk.append(a[i][l])
            l += 1

    while len(stk) != 0:
        print(str(stk[-1]), end = " ")
        stk.pop()
mat = [[1, 2, 3, 4, 5],
       [6, 7, 8, 9, 10],
       [11, 12, 13, 14, 15],
       [16, 17, 18, 19, 20]]

Traversal(R - 1, C - 1, mat)
```

- (●) 12 13 14 9 8 7 6 11 16 17 18 19 20 15 10 5 4 3 2 1
- ( ) 1 2 3 4 5 10 15 20 19 18 17 16 11 6 7 8 9 14 13 12
- ( ) 1 6 11 16 17 18 19 20 15 10 5 4 3 2 7 12 13 14 9 8
- ( ) 13 12 7 8 9 14 19 18 17 16 11 6 1 2 3 4 5 10 15 20

5) The default drawing state of the turtle is pendown. State whether the above statement is true or fault. ***1 point***

- (●) True
- ( ) False

6) What is the output of the following program? ***1 point***

Assessment submitted.
X

Week7: Programming Assignment 3 - Lower Triangular Matrix (/noc21_cs75/progassignr name=315)

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```
import turtle
tr=turtle.Turtle()

for i in range (9):
    tr.forward(90)
    tr.left(45)
```

- (●) Octagon
- ( ) Pentagon
- ( ) Nonagon
- ( ) Hexagon

7) While using the turtle speed method, the speed value 1 is faster than speed value 0. State whether the above statement is true or false. ***1 point***

- ( ) True
- (●) False

8) Which of these methods is used to make the turtle rotate 45 degrees in the anticlockwise direction. ***1 point***

- ( ) tr.turn(-45)
- ( ) tr.right(-45)
- ( ) tr.left(45)
- (●) Both b and c

9) Which of these packages allow us to plot data on google maps? ***1 point***

- ( ) gmplot
- ( ) plot
- ( ) googleplot
- (●) matplotlib.gmplot

10) Which of these following methods will change the color of the lines that will be drawn by the turtle? ***1 point***

- (●) pencolor( )
- ( ) color( )
- ( ) Both a and b
- ( ) None of the above

You may submit any number of times before the due date. The final submission will be considered for grading.

Submit Answers