X

Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

week 4

Week 5

Week 6

Week 7

Snakes and Ladders - Not on the Board (unit?unit=143&lesson=144)

Snakes and Ladders - Not

Week 7: Assignment 7

The due date for submitting this assignment has passed.

Due on 2021-09-15, 23:59 IST.

Assignment submitted on 2021-09-14, 19:06 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

Yes, the answer is correct.
Score: 1
Accepted Answers:
Creates a new file called snakeimage.png with the same content as in the snakesandladders.png

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

on the Board - 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)

- The use of the commas a field separator is the source of the name for this file format
- None of the above

Yes, the answer is correct.
Score: 1

Accepted Answers:
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***

```
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

Yes, the answer is correct.
Score: 1

Accepted Answers:
The player cannot be in position number 87

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

- Spiral Traversing - Let's Animate - Part 04 (unit?unit=143&lesson=155)
- Spiral Traversing - Let's Animate - Part 05 (unit?unit=143&lesson=156)
- Spiral Traversing - Let's Animate - Part 06 (unit?unit=143&lesson=157)
- Spiral Traversing - Let's Animate - Part 07 (unit?unit=143&lesson=158)
- GPS - Track the route (unit?unit=143&lesson=159)
- GPS - Track the route - Part 01 (unit?unit=143&lesson=160)
- GPS - Track the route - Part 02 (unit?unit=143&lesson=161)
- GPS - Track the route - Part 03 (unit?unit=143&lesson=162)
- GPS - Track the route - Part 04 (unit?unit=143&lesson=163)
- **Quiz: Week 7: Assignment 7 (assessment?name=312)**
- Week 7: Programming Assignment 1 - Binary Matrix (/noc21_cs75/progassignment?name=313)


```
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

Yes, the answer is correct.
Score: 1

Accepted Answers:
12 13 14 9 8 7 6 11 16 17 18 19 20 15 10 5 4 3 2 1

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

- True

Week 7: Programming Assignment 2 - Number Triangle II (/noc21_cs75/progassignment?name=314)
Week 7: Programming Assignment 3 - Lower Triangular Matrix (/noc21_cs75/progassignm name=315)
Week 7 Feedback Form: The Joy of Computing using Python (unit?unit=143&lesson=164)
Week 8
Week 9
Week 10
Week 11
Week 12
Text Transcripts
Download Videos
Live Session
October 10 Programming test - Session 1 (10AM to 11AM)
October 10 Programming test - Session 2 (8PM to 9PM)

- False

Yes, the answer is correct.
Score: 1
Accepted Answers:
True

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

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

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

- Octagon
- Pentagon
- Nonagon
- Hexagon

Yes, the answer is correct.
Score: 1
Accepted Answers:
Octagon

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

Yes, the answer is correct.
Score: 1
Accepted Answers:
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

Yes, the answer is correct.
Score: 1
Accepted Answers:
Both b and c

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

- gmplot
- plot
- googleplot
- matplotlib.gmplot

Yes, the answer is correct.
Score: 1
Accepted Answers:
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

No, the answer is incorrect.
Score: 0
Accepted Answers:
Both a and b