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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » The Joy of Computing using Python (course)

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Course outline

About NPTEL ()

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)

Week 7: Assignment 7

Your last recorded submission was on 2024-08-31, 03:39 IST Due date: 2024-09-11, 23:59 IST.

1) Which of the following methods is used to read the content of a CSV file in Python using the csv module? 1 point

- csv.reader()
- csv.write()
- csv.load()
- csv.readfile()

2) Which command is used to install a Python package using pip? 1 point

- pip install package-name
- install pip package-name
- python install package-name
- pip package-name install

3) What is the primary purpose of the gmpy library in Python? 1 point

- To create 3D plots
- To plot data on Google Maps
- To generate matplotlib graphs
- To create dashboards

4) In a game of Snakes and Ladders, a player is currently on square 96. There is a snake on square 99 that sends the player back to square 78. If the player wishes to reach square 100 in one dice throw, what number must they roll on the dice?

4

5) In the same scenario, where the player is on square 96 and needs to roll a 4 to reach square 100, what is the probability of rolling this number on a fair six-sided die? 1 point

- 1/2
- 1/3
- 1/4

- ☐ Snakes and Ladders - Not on the Board - Part 01 (unit? unit=143&lesso n=145)
- ☒ Snakes and Ladders - Not on the Board - Part 02 (unit? unit=143&lesso n=146)
- ☒ Snakes and Ladders - Not on the Board - Part 03 (unit? unit=143&lesso n=147)
- ☒ Snakes and Ladders - Not on the Board - Part 04 (unit? unit=143&lesso n=148)
- ☐ Snakes and Ladders - Not on the Board - Part 05 (unit? unit=143&lesso n=149)
- ☐ Snakes and Ladders - Not on the Board - Part 06 (unit? unit=143&lesso n=150)
- ☐ Spiral Traversing - Let's Animate (unit? unit=143&lesso n=151)
- ☒ Spiral Traversing - Let's Animate - Part 01 (unit? unit=143&lesso n=152)
- ☐ Spiral Traversing - Let's Animate - Part 02 (unit? unit=143&lesso n=153)
- ☒ Spiral Traversing - Let's Animate - Part 03 (unit?

☒ 1/6

6) Which of the following commands will draw a square using Python's turtle module?

1 point

Turtle is imported in the following way-

import turtle as t

turtle = t.Turtle()

- ☒ for i in range(4):
 turtle.forward(100)
 turtle.left(90)
- ☒
for i in range(4):
 turtle.forward(100)
 turtle.right(90)
- ☒
for i in range(4):
 turtle.backward(100)
 turtle.left(90)
- ☒
for i in range(4):
 turtle.backward(100)
 turtle.right(90)

7) Does the turtle module in Python allow you to draw complex shapes on the screen?

1 point

- ☒ Yes
- ☐ No

8) What is the purpose of the turtle.penup() and turtle.pendown() commands in Python's turtle module?

1 point

- ☒ To stop the turtle from drawing and then resume drawing at a new position
- ☐ To change the color of the turtle's pen
- ☐ To speed up or slow down the drawing speed of the turtle

9) What is the default drawing state of the turtle when a new turtle object is created in Python's turtle module?

1 point

- ☐ The turtle's pen is up, so it does not draw while moving.
- ☒ The turtle's pen is down, so it draws while moving.
- ☐ The turtle is hidden, so it does not appear on the screen.
- ☐ The turtle starts with a circular shape.

10) Which of the following commands is used to open an image file using Python's PIL (Pillow) library?

1 point

- ☐ img = PIL.Image.open('image.jpg')
- ☒ img = Image.open('image.jpg')
- ☐ img = open_image('image.jpg')
- ☐ img = PIL.open_image('image.jpg')

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

Submit Answers