



# Unit 7 - Week 5: Cool Ideas (Part 3)

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## Course outline

How to access  
the portal

Week 1:  
Introduction

Week 2:  
Introduction to  
Python

Week 3: Cool  
Ideas (Part 1)

Week 4: Cool  
Ideas (Part 2)

Week 5: Cool  
Ideas (Part 3)

- ☒ Introduction to Dictionaries
- ☐ Speech to Text : No need to write 01
- ☐ Speech to Text : No need to write 02
- ☐ Speech to Text : No need to write 03
- ☐ Monte Hall : 3 doors and a twist 01
- ☐ Monte Hall : 3 doors and a twist 02
- ☐ Rock, Paper and Scissor : Cheating not allowed !! 01

## Assignment 5

The due date for submitting this assignment has passed. **Due on 2019-03-06, 23:59 IST.**

Assignment submitted on 2019-03-06, 21:48 IST

1) In Rock, Paper and Scissors game, if one of the players shows Rock then

1 point

- ☐ He is guaranteed to win the game
- ☐ He is guaranteed to lose the game
- ☐ The game will result in a draw
- ☒ He is guaranteed to win if the other player shows Scissors

Yes, the answer is correct.

Score: 1

Accepted Answers:

He is guaranteed to win if the other player shows Scissors

2) Which file format is supported by Python Speech Recognition library?

1 point

- ☐ mp3
- ☒ wav
- ☐ Both A and B
- ☐ None of the above

Yes, the answer is correct.

Score: 1

Accepted Answers:

wav

3) Which of the following statements is true about Monte Hall Game?

1 point

- ☐ In Monte Hall Game with 3 doors, two of the doors comprise of goat and one of the doors comprises of BMW.
- ☐ In Monte Hall Game with 3 doors, the host opens a door having goat.
- ☐ In Monte Hall Game with 3 doors, the player is given a chance to change his choice after the host opens one of the doors comprising of goats.
- ☒ All of the above

Yes, the answer is correct.

Score: 1

Accepted Answers:

All of the above

4) Which of the following libraries is used in Python to convert Speech to Text?

1 point

- ☒ SpeechRecognition
- ☐ SpeechoText

- ☐ Rock, Paper and Scissor : Cheating not allowed !! 02
- ☐ Rock, Paper and Scissor : Cheating not allowed !! 03
- ☐ Rock, Paper and Scissor : Cheating not allowed !! 04
- ☐ Sorting and Searching : 20 questions game 01
- ☐ Sorting and Searching : 20 questions game 02
- ☐ Sorting and Searching : 20 questions game 03
- ☐ Sorting and Searching : 20 questions game 04
- ☐ Sorting and Searching : 20 questions game 05
- ☐ Sorting and Searching : 20 questions game 06
- ☐ Sorting and Searching : 20 questions game 07
- ☐ Sorting and Searching : 20 questions game 08
- ☒ Programming Assignment-1: Cab and walk
- ☒ Programming Assignment-2: End-Sort
- ☒ Programming Assignment-3: Semi Primes
- ☒ Quiz : Assignment 5
- ☐ Week 5 Feedback Form

### Week 6: Cool Ideas (Part 4)

### Week 7: Cool Ideas(Part 5)

- ☐ TexttoSpeech
- ☐ None of the above

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*SpeechRecognition*

5) What should be the output if the array [10,20,30,40,50] and the element to be searched 100 are passed as an argument to the Linear Search function? **1 point**

- ☐ The output should be 50.
- ☐ The output should be 100.
- ☒ The element is not present in the list should be the output.
- ☐ The program should shut down abruptly.

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*The element is not present in the list should be the output.*

6) The number of swapping required to sort the array [8, 22, 7, 9, 31, 19, 5, 13] in ascending order using Bubble sort is **1 point**

- ☐ 11
- ☐ 12
- ☐ 13
- ☒ 14

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*14*

7) Which of the following is a prerequisite to apply Binary Search on an array? **1 point**

- ☐ The array should be sorted in ascending order.
- ☐ The array should be sorted in descending order.
- ☒ Either A or B
- ☐ None of the above

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*Either A or B*

8) Consider the **secure** Rock Paper Scissors game. **1 point**

Assume for both the players:

0->Rock

1->Paper

2 ->Scissors

Player 1's input : 1000010210

Player 2's input : 1012010211

Who won?

- ☐ Player 1
- ☐ Player 2
- ☐ Draw
- ☒ Data Insufficient

**Yes, the answer is correct.**

**Score: 1**



**Week 8: Cool Ideas(Part 6)****DOWNLOAD VIDEOS****TEXT TRANSCRIPTS****Accepted Answers:***Data Insufficient*9) Consider the **secure** Rock Paper Scissors game.**1 point**

Assume for both the players:

0-&gt;Rock

1-&gt;Paper

2 -&gt;Scissors

Player 1's input : 1000010210

Player 2's input : 1012010211

Secret bit of Player 1: 0

Secret bit of Player 2: 2

Who won?

- ☐ Player 1
- ☐ Player 2
- ☒ Draw
- ☐ Data Insufficient

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

10) In the simple Monte Hall game, we had 3 doors and 1 door contained a prize. The player has to guess which door could possibly contain the prize. That door would be opened and if it contains the prize he wins it. **1 point**

If more doors are added, the player has more choices to guess. What do you think will happen to the probability (i.e. chance) of winning if more doors are added?

- ☐ Increases
- ☒ Decreases
- ☐ None of the above

**Yes, the answer is correct.****Score: 1****Accepted Answers:***Decreases***Previous Page****End**



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