

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

Register for Certification exam

Course outline

How to access the portal

Week 1: Introduction

Week 2: Introduction to Python

Week 3: Cool Ideas (Part 1)

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TEXT TRANSCRIPTS

Interaction Session

● 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

● 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

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○ Programming Assignment-1: Cab and walk

○ Programming Assignment-2: End-Sort

○ Programming Assignment-3: Semi Primes

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Assignment 5

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-03-06, 23:59 IST.

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

He is guaranteed to win if the other player shows Scissors

- 2) Which file format is supported by Python Speech Recognition library?
- ☐ mp3

☐ wav

☐ Both A and B

☐ None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

wav

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the above

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

☐ SpeechoText

☐ TexttoSpeech

☐ None of the above

No, the answer is incorrect.

Score: 0

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?

- ☐ 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.

No, the answer is incorrect.

Score: 0

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

- ☐ 11

☐ 12

☐ 13

☐ 14

No, the answer is incorrect.

Score: 0

Accepted Answers:

14

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

- ☐ The array should be sorted in ascending order.

☐ The array should be sorted in descending order.

☐ Either A or B

☐ None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Either A or B

- 8) Consider the **secure** Rock Paper Scissors game.

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

Data Insufficient

- 9) Consider the **secure** Rock Paper Scissors game.

Assume for both the players:

0->Rock

1->Paper

2 ->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

No, the answer is incorrect.

Score: 0

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.

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

Decreases

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