



Unit 6 - Week 4: Cool Ideas (Part 2)

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Certification exam

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)

- Practice is the key
- Magic Square: Hit and Trial 01
- Magic Square: Hit and Trial 02
- Magic Square: Hit and Trial 03
- Magic Square: Hit and Trial 04
- Magic Square: Hit and Trial 05
- Let's program and play
- Dobble Game - Spot the similarity 01
- Dobble Game - Spot the similarity 02
- Dobble Game - Spot the similarity 03

Assignment 4

The due date for submitting this assignment has passed. **Due on 2019-02-27, 23:59 IST.**

Assignment submitted on 2019-02-27, 21:05 IST

1) Guess the movie name.

1 point

A _ _ E _ _ E _ _ _

- ☐ AVIATION
- ☐ AVERSION
- ☐ AVIONICS
- ☒ AVENGERS

Yes, the answer is correct.

Score: 1

Accepted Answers:

AVENGERS

2) Which of the following statements is true about Double game?

1 point

- ☐ There may be varying number of symbols on every card.
- ☒ There is only one symbol common between two cards.
- ☐ There may be two or more symbols common between two cards.
- ☐ None of the above

Yes, the answer is correct.

Score: 1

Accepted Answers:

There is only one symbol common between two cards.

3) In "Guess the Movie Name" game, we initially have all blanks (or *). Slowly as the person guesses a letter the question undergoes a change in state (the corresponding letter is opened up). If the movie name is INTERSTELLER, which of the following can **never** be a state of the question during the run of the program? 1 point

- ☒ I N _ _ E R _ _ _ E L L _ _ R
- ☐ I N T _ _ R _ _ T _ _ L L _ _ R
- ☐ I N _ _ E _ _ _ _ E _ _ _ E _ _
- ☐ I N T E R _ _ T E _ _ _ E R

Yes, the answer is correct.

Score: 1

Accepted Answers:

I N _ _ E R _ _ _ E L L _ _ R

● Dobble Game - Spot the similarity 04

● What is your date of birth?

● Birthday Paradox - Find your twin 01

● Birthday Paradox - Find your twin 02

● Birthday Paradox - Find your twin 03

● Birthday Paradox - Find your twin 04

● Birthday Paradox - Find your twin 05

● What's your favourite movie?

● Guess the Movie Name 01

● Guess the Movie Name 02

● Guess the Movie Name 03

● Guess the Movie Name 04

● Guess the Movie Name 05

● Guess the Movie Name 06

○ Programming Assignment-1: Factorial

○ Programming Assignment-2: Matrix

○ Programming Assignment-3: The power of Randomness

● Quiz : Assignment 4

○ Week - 4 Feedback Form

Week 5: Cool Ideas (Part 3)

Week 6: Cool Ideas (Part 4)

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4) If the two strings CHKIEF and KYNOTQ are given as an input to the Dobble game program, **1 point** what should be the output?

- ☐ Q
☐ E
☐ R
☒ K

Yes, the answer is correct.

Score: 1

Accepted Answers:

K

5) Which of the following statements is true about Magic Square? **1 point**

- ☐ Magic Square is a $n \times n$ matrix such that numbers in each row add up to the same value.
☐ Magic Square is a $n \times n$ matrix such that numbers in each column add up to the same value.
☐ Magic Square is a $n \times n$ matrix such that numbers along each diagonal add up to the same value.
☒ All of the above.

Yes, the answer is correct.

Score: 1

Accepted Answers:

All of the above.

6) What is the minimum number of people required to guarantee a collision in their day of birth? **1 point**

- ☒ 8
☐ 7
☐ 6
☐ None of the above

Yes, the answer is correct.

Score: 1

Accepted Answers:

8

7) What is the maximum number that can be filled in 5×5 Magic Square? **1 point**

- ☐ 9
☒ 25
☐ 16
☐ None of the above

Yes, the answer is correct.

Score: 1

Accepted Answers:

25

8) What are the chances of meeting a person born on the same day as you are, assuming that you were born in a non-leap year? **1 point**

- ☒ one in 365
☐ one in 12
☐ one in 360
☐ one in 362

Yes, the answer is correct.

Score: 1

Accepted Answers:

one in 365

9) In "Guess the Movie Name" game, what will happen if the player asks to open up a letter that **1 point** is **not present** in the actual movie name?



Week 9: Cool Ideas(Part 7)**Week 10: Cool Ideas(Part 8)****Week 11****DOWNLOAD VIDEOS****TEXT TRANSCRIPTS**

- ☐ The game comes to an end and the player is declared a loser.
- ☐ The closest letter that precedes this requested letter in the alphabetical order and present in the actual movie name is opened up.
- ☐ The closest letter that succeeds this requested letter in the alphabetical order and present in the actual movie name is opened up.
- ☒ A message that the letter is not present is displayed then the game continues asking him to guess some other letter

Yes, the answer is correct.

Score: 1

Accepted Answers:

A message that the letter is not present is displayed then the game continues asking him to guess other letter

10 In any 3 x 3 magic square solution, the sum across the rows or columns or diagonals is equal to:

- ☐ 12
- ☐ 16
- ☒ 15
- ☐ 14

Yes, the answer is correct.

Score: 1

Accepted Answers:

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