**Assignment 5**

**The due date for submitting this assignment has passed.**

**Due on 2018-09-14, 23:59 IST.**

**Assignment submitted on 2018-09-07, 22:21 IST**

***1 point***

What happens when you search for 35 in the list [10,20,30,40,50]?

 The program would handle the case by printing a suitable message that the element is not found

 The value 30 is returned as it is the closest number less than 35 that is present in the list

 The value 40 is returned as it is the closest number greater than 35 that is present in the list

 The program will abruptly come to an end without intimating anything to the user.

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*The program would handle the case by printing a suitable message that the element is not found*

***1 point***

Which of the following constraint needs to be satisfied so as to perform binary search?

 The list must contain only numbers

 The list must contain odd number of elements

 The list must contain even number of elements

 The list must be sorted.

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*The list must be sorted.*

***1 point***

What will be the final list contents after the list [10,25,40,70,100] has been passed to a function that sorts the elements of a given list in ascending order?

 [10,25,40,70,100]

 [100,70,40,25,10]

 [25,10,40,70,100]

 [10,25,40,100,70]

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*[10,25,40,70,100]*

***1 point***

What does the following snippet do when a list 'a' is passed to it?

    for i in range( len(a) ):

        for j in range(i+1, len (a) ):

            if a[ i ]<a[ j ]:

                a[ i ] , a[ j ]=a[ j ] , a[ i ]

 It checks if the elements of a given list are in ascending order

 It checks if the elements of a given list are in descending order

 It sorts the elements of a given list in ascending order

 It sorts the elements of a given list in descending order

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*It sorts the elements of a given list in descending order*

***1 point***

In Rock, Paper, Scissors game, how many ways can the result be a draw?

 3

 6

 9

 12

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*3*

***1 point***

What should you choose in the Rock Paper Scissor game so that you can definitely guarantee your win?

 Rock

 Paper

 Scissor

  None of the above

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*None of the above*

***1 point***

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 and hence winner cannot be determined.

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*Data insufficient and hence winner cannot be determined.*

***1 point***

Consider this run of **secure**Rock Paper Scissor game:  
  
No of digits used :10  
  
Assume for player 1:  
0->Rock  
1->Paper  
2->Scissors  
Secret place holder position: 3rd digit from the left  
  
Assume for player 2:  
0->Scissors  
1->Rock  
2->Paper  
Secret place holder position: 7th digit from the left  
  
Inputs:  
Player 1: 1200210121  
Player 2: 1020201120  
  
Who won?

 Player 1

 Player 2

 Draw

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*Draw*

***1 point***

Which file format is supported by Python Speech Recognition library?

 mp3

 wav

 aiff

 au

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*wav*

***1 point***

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

 No change

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*Decreases*