Lists **Spot Check Electronic Answer Document (EAD)**

Use the following document to record your answers to the Lists spot check. You should then submit the completed EAD to the link provided on Moodle by your teacher.

|  |
| --- |
| **Question 1, Part b** |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **Scores** | | | | | | | | | **[1]** | **[2]** | **[3]** | **[4]** | **[5]** | **[6]** | **[7]** | **[8]** | | **18** | **23** | **21** | **36** | **40** | **45** | **58** | **59** | |
| **Question 1, Part c** |
| Answer : Bubble-sort |
| **Question 1, Part d** |
| #Lists Spot Check Question 1d  #Bubble sort  scores = [18, 23, 36, 21, 58, 40, 45, 59]  max = 8  for count1 in range(max - 1):  for count2 in range(max - 1):  if scores[count2] > scores[count2 + 1]:  temp = scores[count2]  scores[count2] = scores[count2 + 1]  scores[count2 + 1] = temp  for index, score in enumerate(scores):  print("{0}. {1}".format(index + 1, score)) |
| **Question 1, Part e** |
|  |

|  |
| --- |
| **Question 2, Part a** |
| Store array as a list |
| **Question 2, Part b** |
| Random number (rn) |
| **Question 2, Part c** |
| For count <- 1-6 |
| **Question 2, Part d** |
| Output frequency, output score |
| **Question 2, Part e** |
| Because they are in separate functions, and the variable names inside a function only apply to that function, and will not be affected by anything with the same name outside that function. |
| **Question 2, Part g** |
| #Lists Spot Check Question 2f  #Frequency of die scores  score = ["1", "2", "3", "4", "5", "6"]  frequency = []  def simulate\_throws(score):  import random  for count in range(20):  count1 = 0  count2 = 0  count3 = 0  count4 = 0  count5 = 0  count6 = 0  roll = random.randint(1, 6)  if roll == 1:  count1 = count1 + 1  elif roll == 2:  count2 = count2 + 1  elif roll == 3:  count3 = count3 + 1  elif roll == 4:  count4 = count4 + 1  elif roll == 5:  count5 = count5 + 1  elif roll == 6:  count6 = count6 + 1  frequency.append(count1)  frequency.append(count2)  frequency.append(count3)  frequency.append(count4)  frequency.append(count5)  frequency.append(count6)  return frequency, score  def display\_result(frequency, score):  for value in frequency:  print("Score Frequency")  print("|{0}. {1}|".format(score, value))  simulate\_throws(score)  display\_result(frequency, score) |
| **Question 2, Part h** |
|  |