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

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

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| **Question 1 part (a)** |
| **#Functions Spot Check Question 1 (a)**  **#9/12/14**  **def input\_password():**  **password = input("Please enter a password between 8 and 16 characters long: ")**  **length = len(password)**  **return password, length**  **def validate\_password(password, length):**  **if length < 8:**  **length == False**  **return length**  **elif length > 16:**  **length == False**  **return length**  **else:**  **length == True**  **return length**  **def output\_message(length):**  **if length < 8:**  **while length < 8:**  **print("Password too short.")**  **length = len(input("Please try again:"))**  **elif length > 16:**  **while length > 16:**  **print("Password too long.")**  **length = len(input("Please try again:"))**  **else:**  **print("Password accepted.")**  **password, length = input\_password()**  **validate\_password(password, length)**  **output\_message(length)** |
| **Question 1 part (b)** |
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| **Question 2 part (b)** |
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| **Question 2 part (c)** |
| # define functions  def GetGridRow(aRowLength):  # draws a single row using |\_ for each square  thisRow = '|\_' \* (aRowLength)  # add closing | to row  thisRow = thisRow + '|'  return thisRow  def DisplayGrid(aGridSize, aRow):  # display top of grid using \_ as top of each square  print(' \_' \* aGridSize)  # display rows of |\_| for each row  for rowCount in range(aGridSize):  print(aRow)  def get\_grid\_size():  valid\_grid == False  this\_grid\_size = int  valid\_grid == False  while valid\_grid == False:  this\_grid\_size = int(input("Please enter the size of the grid (max 20): "))  if this\_grid\_size <= 20:  valid\_grid == True  return valid\_grid, this\_grid\_size    # main program  rowToDraw = GetGridRow(5)  DisplayGrid(5, rowToDraw)  valid\_grid, this\_grid\_size = get\_grid\_size() |
| **Question 2 part (d)** |
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| **Question 2 part (e)** |
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| **Question 2 part (f)** |
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| **Question 3 part (a)** |
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| **Question 3 part (b)** |
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