Screenshots or Program Listings must be copied into appropriate cells in the following table.

Examiners must be able to read the contents including any screenshots without the use of a magnifying glass.

Answers that are not readable will not be awarded any marks.

Save this evidence document at regular intervals, for example every 5 minutes.

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| **Question 1** |
| **Part 1(a)** |
| *TheData = [20, 3, 4, 8, 12, 99, 4, 26, 4]* |
| **Part 1(b)** |
| *def InsertionSort(TheData):*  *for Count in range(0, len(TheData)):*  *DataToInsert = TheData[Count]*  *Inserted = 0*  *NextValue = Count - 1*  *while NextValue >= 0 and Inserted != 1:*  *if DataToInsert < TheData[NextValue]:*  *TheData[NextValue + 1] = TheData[NextValue]*  *NextValue = NextValue - 1*  *TheData[NextValue + 1] = DataToInsert*  *else:*  *Inserted = 1* |
| **Part 1(c)** |
| *def PrintArray(TheData):*  *for Count in range(0, len(TheData)):*  *print (TheData[Count])* |
| **Part 1(d)(i)** |
| *print ("Array before sorting: ")*  *PrintArray(TheData)*  *InsertionSort(TheData)*  *print ("Array after sorting: ")*  *PrintArray(TheData)* |
| **Part 1(d)(ii)** |
|  |
| **Part 1(e)(i)** |
| *def SearchArray(TheData):*  *SearchValue = int(input("Enter number to search for: "))*  *for Count in range(0, len(TheData)):*  *if TheData[Count] == SearchValue:*  *print("found")*  *return True*  *print("not found")*  *return False* |
| **Part 1(e)(ii)** |
|  |
| **Question 2** |
| **Part 2(a)** |
| *class HiddenBox:*  *# \_\_BoxName String*  *# \_\_Creator String*  *# \_\_DateHidden String*  *# \_\_GameLocation String*  *# \_\_LastFinds [10][2] String*  *# \_\_Active Boolean !Not sure what this str/bool* |
| **Part 2(b)** |
| *def \_\_init\_\_(self,BoxName,Creator,DateHidden,GameLocation):*  *\_\_BoxName = BoxName*  *\_\_Creator = Creator*  *\_\_DateHidden = DateHidden*  *\_\_GameLocation = GameLocation*  *\_\_LastFinds = [["" in range (2)] in range (10)]*  *\_\_Active = False* |
| **Part 2(c)** |
| *def GetBoxName(self):*  *return (self.\_\_BoxName)*  *def GetGameLocation(self):*  *return (self.\_\_GameLocation)* |
| **Part 2(d)(i)** |
| *TheBoxes = [HiddenBox("","","","") for i in range(10000)]* |
| **Part 2(d)(ii)** |
| *def NewBox():*  *BoxName = input ("Enter Box Name: ")*  *Creator = input ("Enter Creator: ")*  *DateHidden = input ("Enter Date Hidden: ")*  *GameLocation = input ("Enter Game Location: ")*  *NewInstance = HiddenBox(BoxName, Creator, DateHidden, GameLocation)*  *TheBoxes.append(NewInstance)* |
| **Part 2(d)(iii)** |
| *{Copy and paste program code listing for question 2(d)(iii) here}* |
| **Part 2(e)** |
| *{Copy and paste program code listing for question 2(e) here}* |
| **Question 3** |
| **Part 3(a)** |
| *{Copy and paste program code listing for question 3(a) here}* |
| **Part 3(b)** |
| *{Copy and paste program code listing for question 3(b) here}* |
| **Part 3(c)** |
| *{Copy and paste program code listing for question 3(c) here}* |
| **Part 3(d)(i)** |
| *{Copy and paste program code listing for question 3(d)(i) here}* |
| **Part 3(d)(ii)** |
| *{Copy and paste program code listing for question 3(d)(ii) here}* |
| **Part 3(e)** |
| *{Copy and paste program code listing for question 3(e) here}* |