Screenshots or program listings must be copied into appropriate cells in the following table.

Save this evidence document as **evidence\_** followed by your **centre number\_** **candidate number**, for example, **evidence\_ zz999\_9999** and insert your name, centre number and candidate number into the header above.

Examiners must be able to read the contents including any screenshots without the use of a magnifying glass. Answers that are not readable or are missing will not be awarded any marks.

Save this evidence document at regular intervals, for example every 10 minutes.

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| **Question 1** |
| **Part 1(a)(i)** |
| *{Copy and paste program code listing for Question 1(a)(i) here}*  DataArray = [] |

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| **Part 1(a)(ii)** |
| *{Copy and paste program code listing for Question 1(a)(ii) here}*  try:  DataFile = open("Data.txt", "r")  for Line in DataFile:  DataArray.append(int(Line))  DataFile.close() except IOError:  print("can't find the file") |

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| **Part 1(b)(i)** |
| *{Copy and paste program code listing for Question 1(b)(i) here}*  def PrintArray(DataArray):  output = ""  for count in range(0, len(DataArray)):  output = output + str(DataArray[count]) + " "  print(output) |

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| **Part 1(b)(ii)** |
| *{Copy and paste program code listing for Question 1(b)(ii) here}*  PrintArray(DataArray) |

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| **Part 1(b)(iii)** |
| *{Copy and paste the screenshot for Question 1(b)(iii) here}*  *C:\Users\Asus\AppData\Local\Microsoft\Windows\INetCache\Content.Word\evid.jpg* |

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| **Part 1(c)** |
| *{Copy and paste program code listing for Question 1(c) here}* |

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| **Part 1(d)(i)** |
| *{Copy and paste program code listing for Question 1(d)(i) here}* |

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| **Part 1(d)(ii)** |
| *{Copy and paste the screenshot for Question 1(d)(ii) here}* |

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| **Question 2** |
| **Part 2(a)(i)** |
| *{Copy and paste program code listing for Question 2(a)(i) here}*  class Vehicle():  def \_\_init\_\_(self, IDName, MaximumSpeed, INAmount):  \_\_ID = IDName  \_\_MaxSpeed = MaximumSpeed  \_\_CurrentSpeed = 0  \_\_IncreaseAmount = INAmount  \_\_HorizontalPosition = 0 |

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| **Part 2(a)(ii)** |
| *{Copy and paste program code listing for Question 2(a)(ii) here}*  def GetCurrentSpeed(self):  return self.\_\_CurrentSpeed def GetIncreaseAmount(self):  return self.\_\_IncreaseAmount def GetMaxSpeed(self):  return self.\_\_MaxSpeed def GetHorizontalPosition(self):  return self.\_\_HorizontalPosition |

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| **Part 2(a)(iii)** |
| *{Copy and paste program code listing for Question 2(a)(iii) here}*  def SetCurrentSpeed(self, CSpeed):  self.\_\_CurrentSpeed = CSpeed def SetHorizontalPosition(self, HPosition):  self.\_\_HorizontalPosition = HPosition |

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| **Part 2(a)(iv)** |
| *{Copy and paste program code listing for Question 2(a)(iv) here}*  def IncreaseSpeed(self):  self.\_\_CurrentSpeed = self.\_\_IncreaseAmount + self.\_\_CurrentSpeed  if self.\_\_CurrentSpeed > self.\_\_MaxSpeed:  self.\_\_CurrentSpeed = self.\_\_MaxSpeed  self.\_\_HorizontalPosition = self.\_\_HorizontalPosition + self.\_\_CurrentSpeed |

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| **Part 2(b)(i)** |
| *{Copy and paste program code listing for Question 2(b)(i) here}* |

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| **Part 2(b)(ii)** |
| *{Copy and paste program code listing for Question 2(b)(ii) here}* |

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| **Part 2(c)** |
| *{Copy and paste program code listing for Question 2(c) here}* |

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| **Part 2(d)(i)** |
| *{Copy and paste program code listing for Question 2(d)(i) here}* |

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| **Part 2(d)(ii)** |
| *{Copy and paste screenshot for Question 2(d)(ii) here}* |

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| **Question 3** |
| **Part 3(a)** |
| *{Copy and paste program code listing for Question 3(a) here}*  Animal = [] Colour = [] AnimalTopPointer = 0 ColourTopPointer = 0 global AnimalTopPointer, ColourTopPointer |

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| **Part 3(b)(i)** |
| *{Copy and paste program code listing for Question 3(b)(i) here}*  def PushAnimal(DataToPush):  global AnimalTopPointer  if AnimalTopPointer == 20:  return False  else:  Animal[AnimalTopPointer] = DataToPush  AnimalTopPointer = AnimalTopPointer + 1  return True |

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| **Part 3(b)(ii)** |
| *{Copy and paste program code listing for Question 3(b)(ii) here}*  def PopAnimal():  ReturnData = ""  global AnimalTopPointer  if AnimalTopPointer == 0:  return ""  else:  ReturnData = Animal[AnimalTopPointer - 1]  AnimalTopPointer = AnimalTopPointer -1  return ReturnData |

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| **Part 3(b)(iii)** |
| *{Copy and paste program code listing for Question 3(b)(iii) here}*  def ReadData():  try:  AnimalFile = open("AnimalData.txt", "r")  for line in AnimalFile:  PushAnimal(line)  AnimalFile.close()  except IOError:  print("Can't find the file") |

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| **Part 3(b)(iv)** |
| *{Copy and paste program code listing for Question 3(b)(iv) here}*  def PushColour(DataToPush):  global ColourTopPointer  if ColourTopPointer == 20:  return False  else:  Colour.append(DataToPush)  ColourTopPointer = ColourTopPointer + 1  return True  def PopColour():  ReturnData = ""  global ColourTopPointer  if ColourTopPointer == 0:  return ReturnData  else:  ReturnData = Colour[ColourTopPointer - 1]  ColourTopPointer = ColourTopPointer -1  return ReturnData |

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| **Part 3(b)(v)** |
| *{Copy and paste program code listing for Question 3(b)(v) here}*  def ReadData():  try:  AnimalFile = open("AnimalData.txt", "r")  for line in AnimalFile:  PushAnimal(line)  AnimalFile.close()   ColourFile = open("ColourData.txt", "r")  for Line in ColourFile:  PushColour(Line)  ColourFile.close()  except IOError:  print("Can't find the file") |

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| **Part 3(c)** |
| *{Copy and paste program code listing for Question 3(c) here}*  def OutputItem():  ColourReturned = PopColour()  AnimalReturned = PopAnimal()  if ColourReturned == "":  print("No colour")  PushAnimal(AnimalReturned)  else:  if AnimalReturned == "":  print("No animal")  PushColour(ColourReturned)  else:  print(ColourReturned, AnimalReturned) |

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| **Part 3(d)(i)** |
| *{Copy and paste program code listing for Question 3(d)(i) here}*  ReadData() OutputItem() OutputItem() OutputItem() OutputItem() |

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| **Part 3(d)(ii)** |
| *{Copy and paste screenshot for Question 3(d)(ii) here}*  C:\Users\Asus\AppData\Local\Microsoft\Windows\INetCache\Content.Word\ANIMAL.JPG |