# Homework 7 Reading files

1. David has written some Python code, but it won’t run. He has made three syntax errors – highlight them and explain each one to David. [3 Marks]

file = open("data.txt", r)  
for counter in range(7)   
 line = file.readline  
 print(line)  
file.close()

1. Angela has been looking at a program to print out names and ages from a file, but she doesn’t understand how it works. Fill in some comments to explain to her how the   
   program works. [4 marks]

#

#

studentFile = open("data.txt", "r")

#

#

for counter in range(6):  
 line = studentFile.readline()

#

#

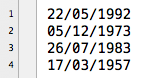
data = line.split(",")

#

#

print("Name: " , data[0])  
 print("Age: " , data[1])  
studentFile.close()

1. Kevin has written a program to work out the day, month and year from a file. A sample of the file is printed below. For some reason the program isn’t working right – explain how to solve the problem. [3 marks]



file = open("dates.txt", "r")

for counter in range(4):

line = file.readline()

data = line.split(",")

print("Day:" , data[0])

print("Month:" , data[1])

print("Year:" , data[2])

file.close()

Explanation:

4. Explain in general terms how you could amend the program to work if you did not   
know how many records there were in the file. (Tip: Look at Worksheet 4b!) [5 marks]

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[Total 15 Marks]