# Homework 8 Writing to a file

1. Pauline wants to know the difference between the different modes you can use when you open a file using Python. Complete the table to explain it for her.

e.g. file = open("data.txt", "r ")

|  |  |  |
| --- | --- | --- |
| Letter | Stands For | Means |
| r | Read mode |  |
| w |  | Opens the file so that the program will write to it. Beware, opening in this mode will erase the original file. |
| a |  |  |

[4 Marks]

1. Martin has written a program but it isn’t producing the results he wanted. All of the data seems to run into one big long line instead of being saved neatly. Try to identify where he has gone wrong and explain to him how to fix the problem.  
     
   file = open("data.txt", "w")  
   again = "y "  
   while again == "y":  
    data = input("Enter your data: ")  
    file.write(data)  
    again = input("Enter more data? (y/n): ")  
   file.close()  
     
   Explanation:

[2 Marks]

1. Sheila has written a program that will add new customer details to her records. When she tested it she had all kinds of problems. Highlight the **three** errors in the code and explain to Sheila what she has done wrong.

file = open("customers.txt ", "w ")  
again = "y"  
while again == True:  
 name = input("Enter customer name: ")  
 dob = input("Enter customer Date of Birth: ")  
 join = input("Enter date customer joined: ")  
 file.write(name,dob,join, "\n")  
 again = input("More data? (y/n): ")  
file.close()

1.

2.

3.

[4 Marks]

[Total 10 Marks]