

Test Sheet 10

Use the test sheet to:

- Check your own progress
- Practice giving and receiving feedback by working with our course members.

1. The following Python program writes to a file. Write out exactly what appears in the file.

```
import io

f = open("hello.txt", 'w')
fruits = ['apple', 'pear', 'orange', 'banana', 'cherry']

x = 0

while x < len(fruits):
    f.write(str(x))
    f.write(",")
    f.write(fruits[x])
    f.write("\n")
    x = x + 1

f.write("\n")
f.close()
```

2. The requirements for a program are given below. Suggest some steps, in order, for completing this program, including both specification and testing.

A pupil has a regular weekly timetable: her day is divided into equal length periods (1, 2, 3...). Each period has a description (e.g. "9-10am" or "morning class 1"). A program is required to record and display the timetable.

- *Each day has a separate timetable*
- *The timetables are stored in one or more files*
- *The program must allow the activity for a particular period to be entered*
- *The program must allow the user to display the activities for a particular period or for the whole day.*

Compare your list with another course member's? Is there a best plan? Are all plans equally good?

3. Suggest two (or more) ways to organise the timetable information into files.