

Past-paper walk-through

Files ■ 10.3

eXercise

Questions in this set

- 9618/22 N25 Q3 ■ 10 marks
- 9618/22 N25 Q8 ■ 18 marks
- 9618/23 N25 Q8 ■ 20 marks
- 9618/43 N25 Q2 ■ 24 marks
- 9618/21 J25 Q7 ■ 18 marks
- 9618/23 J25 Q4 ■ 8 marks
- 9618/23 J25 Q7 ■ 18 marks
- 9618/31 J25 Q12 ■ 5 marks
- 9618/42 N24 Q3 ■ 17 marks

Reading the mark scheme

- **B1** a mark that stands on its own – the point is either made or not.
- **M1** a *method* mark: the right approach, even if the number is wrong.
- **A1** an *answer* mark, and it usually needs its M mark first.
- **C1** a working mark on the way to the answer.
- **//** separates answers the examiner accepts equally.
- **ecf** = error carried forward: a later part is marked on your own earlier answer.
- **owtte** = “or words to that effect” – the wording need not match.

Question 3

9618/22 N25 ■ Q3 ■ 10 marks

A text file `OldFile.txt` contains IDs, names and email addresses for members of a club. Three information items are stored for each member and each item is stored on a separate line.

The example shows the information for the first two members in the first six lines of the file:

Line in file	Information item	Example data
1	member 1 ID	"AB1234"
2	member 1 name	"Freddie Jones"
3	member 1 email address	"FreddieJ909@Cambridge.org"
4	member 2 ID	"BC2345"
5	member 2 name	"Sue Smith"
6	member 2 email address	"Sue1024@Cambridge.org"

Question 3

The member ID string is always two letters followed by four digits.

The file design is to be changed so that information for each user is stored as a single line of the file, with the character '\' used as a separator between data items.

For example, the single line for member 1 will be:

```
"AB1234\Freddie Jones\FreddieJ909@Cambridge.org"
```

An algorithm will produce a new file `NewFile.txt` from the contents of `OldFile.txt`

Assume:

Question 3

- LineX, LineY and LineZ are of type `STRING` and are used to store the three items of information for each member
- `NewString` is a temporary variable of type `STRING`
- `OldFile.txt` exists and contains valid data.

(a) The algorithm to create the new file is expressed in steps.
Complete the following numbered steps:

Question 3

- Step 1 : open the file ____ in ____
- Step 2 : open the file ____ in ____
- Step 3 : read a line from ____ and store in ____
- Step 4 : read a line from ____ and store in ____
- Step 5 : read a line from ____ and store in ____
- Step 6 : set NewString to ____
- Step 7 : write NewString to ____
- Step 8 : repeat from step ____ until ____
- Step 9 : close both files.

[6]

Question 3

Line in file	Information item	Example data
1	member 1 ID	"AB1234"
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4	member 2 ID	"BC2345"
5	member 2 name	"Sue Smith"
6	member 2 email address	"Sue1024@Cambridge.org"

Question 3

Information item	Example data
member 1 ID	"AB1234"
member 1 name	"Freddie Jones"
member 1 email address	"FreddieJ909@Cambridge.org"
member 1 new information 1	"En/98&*(?\ /D7iP"
member 1 new information 2	"23\CoboL"