

File Handling – Answers

Task 1

- a) OPENFILE "names.txt" FOR READ
- b) OPENFILE "names.txt" FOR WRITE

Practice Questions

1. DECLARE Message : STRING
OPENFILE "Hello.txt" FOR READ
READFILE "Hello.txt", Message
OUTPUT Message
CLOSEFILE "Hello.txt"
2. OPENFILE "Greeting.txt" FOR WRITE
WRITEFILE "Greeting.txt", "Have a great day!"
CLOSEFILE "Greeting.txt"
3. DECLARE Name : STRING
OUTPUT "Enter your name: "
INPUT Name
OPENFILE "User.txt" FOR WRITE
WRITEFILE "User.txt", Name
CLOSEFILE "User.txt"

Past Paper Questions

- | | |
|--------------|---|
| 1 (a) | One mark per mark point, max two <ul style="list-style-type: none">• Data stored in a file gives a permanent copy / prevents the data from being lost• ... so it can be recalled / used again in a program / in another program• can be stored elsewhere / transferred to another computer |
|--------------|---|

November 2024 (21)

(b)

One mark for each point

- `OPENFILE MyPassword.txt FOR WRITE`
- `WRITEFILE MyPassword.txt, Password`
- `CLOSEFILE MyPassword.txt`

(c)

One mark for each point

- needs to be retrieved on demand // saved for a later date
- storage must be non-volatile

November 2024 (22)

10

One mark per mark point (max six)

- Declaration of appropriate string variable(s)
- Input of a line of text
- Correct use of `LCASE`
- Correct use of `LENGTH`
- Opening of at least **one** of the required text files using given names (`Main.txt`, `Lowercase.txt`)
- Storing of correct line of text to `Main.txt`
- Storing of correct lines to `Lowercase.txt`
- Closing of both text files
- Correct output

For example:

```
DECLARE LineOfText : STRING
DECLARE LowercaseText: STRING
INPUT LineOfText
OPENFILE Main.txt FOR WRITE
WRITEFILE Main.txt, LineOfText
CLOSEFILE Main.txt

LowercaseText ← LCASE(LineOfText)
OUTPUT LowercaseText, LENGTH(LineOfText)
OPENFILE Lowercase.txt FOR WRITE
WRITEFILE Lowercase.txt, LowercaseText
CLOSEFILE Lowercase.txt
```