

2023 INF1511 Unit 7

Visual Programming I

File Handling

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Define tomorrow.

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Overview

- Set Up of the programming environment.
- The theory of **file handling** in programming.
- The practical application (and demonstration) of **file handling** in programming.
- The assessment of learning in this unit.

Theory – What is file handling in programming?

- Files are
- File handling requires ...
- A system. There is always input, processing and output.
- A file can provide the input (read from file) or store the output (write to file).

Programming elements

- Literals - _____
- Variables - _____
- Keywords (30 in Python ... and else elif exec ...)
- Comments #
- A keyword is IF and ELIF
- A keyword is FOR
- A keyword is WHILE
- Functions are declared! The keyword is
- CLASS

File handling in programming - keywords

- Open
- Close
- File modes?

File Handling

- Open a file (in a mode) and Close a file
- Read from a file and display the file content
- Write to a file (overwrites content!)
- Append (add)
- Modify/Update, copy, delete
- Exception handling try/except, try/final
- *Note: binary files, serialization (pickling)*

Practical application

- Demonstrate the syntax and use of file handling in programming.
- Using ANACONDA programming environment.

Assessment for Unit 7

- **Theory MCQ quiz** will become available today. Three attempts. Available until 9 October 2023.
- **Programming activities** for this unit on Jupyter Notebook page. Available. Practise! Use this to complete Assignment 7.
- **Practical MCQ quiz** (Assignment 7) is available. One attempt. Available until 9 October 2023.



Thank you

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