

**COMP642**

# Object Oriented Programming

**Lectorial 5 – tkinter, Reading File, Put it Together**

# What is tkinter?

- Python library for creating GUI applications using the Tk toolkit.
- Bundled with Python on both Windows and macOS.
- Simple library with support for standard layouts and widgets.
- widely used by beginners.

# Developing applications with tkinter

- Import tkinter module
- Create the main application window.
- Add the widgets like frames, labels, buttons, etc.
- Call the main event loop so that the actions can take place.

# tkinter Layout

- pack
- grid
- Place - Not to be confused with geometry (arrange widgets on the screens)

# Widgets

- button
- frame
- checkbox
- Radio button

# Put it Together

- Pizza Demo

# Reading File