



THE PALMER CATHOLIC ACADEMY, SUMMER 2026
Computer Science Transition, Year 11 into 12

PLEASE NOTE YOU WILL ALSO HAVE TO DOWNLOAD
THE COMPUTER SCIENCE INTRODUCTION TO TKINTER
PDF

Your Task	Create a 'FLASH CARD' GUI program using the TKinter library in Python. Pick a topic in computing (e.g. Computing Hardware) and create a program which has a series of 'buttons' and a 'text area'. When each button is clicked, information about that part of the topic is presented in the text area. An example is shown below.
Your starting point	1. Download Python 3.7.1 to your computer 2. Tkinter (and, since Python 3.1, ttk) are included with all standard Python distributions. However if you have any issues: https://tkdocs.com/tutorial/install.html 3. Create your GUI Resources:

	• Attached PDF - Introduction to TKinter.pdf Links to other helpful documents: • https://engmrk.com/wp-content/uploads/2018/01/Tkinter-Cheat-Sheet.pdf • https://dzone.com/articles/python-gui-examples-tkinter-tutorial-like-geeks • https://www.tutorialspoint.com/python3/python_gui_programming.htm Online video tutorials • https://www.youtube.com/watch?v=whErCLh0-QU • https://www.youtube.com/watch?v=cvBRhYeO7hc • https://www.youtube.com/watch?v=ISNlrR1nZU • https://www.youtube.com/watch?v=VMP1oQOxfM0 • https://www.youtube.com/watch?v=D8-snVfekto • https://www.youtube.com/watch?v=7MQWCtTr0zA • https://www.youtube.com/watch?v=-tbWoZSi3LU
How your work will be assessed	Flash Cards - Computing Hardware The CPU Memory I/O Devices Motherboards Storage Devices The CPU is responsible for... Grade A: Create a simple GUI that includes: • Buttons

- Entry boxes
- Labels
- Commands added to buttons to call functions
- Menu bar (at least 2 drop down menus) OR Menu screen/s with buttons linked to other window frames
- At least 3 other additional features (eg. Spinners/Radio Buttons/Check Boxes/changing colours)

Grade B:

Create a simple GUI that includes:

- Buttons
- Entry boxes
- Spinners/Radio Buttons/Check Boxes
- Labels
- Commands added to buttons to call functions
- At least 2 other additional features (eg. Spinners/Radio Buttons/Check Boxes)

Grade C:

Create a simple GUI that includes:

- Buttons
- Entry boxes
- Labels
- Commands added to buttons to call functions
- At least 1 other additional feature (eg. Spinners/Radio Buttons/Check Boxes)