

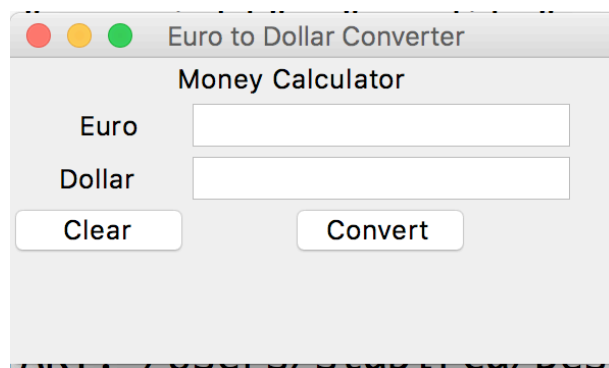
Lab 7 – Python User Interface

Task 0 - Get Organised.

- Create a new folder lab7 in your folder labs.

Task 1 – Money Converter

This task requires you to write an GUI interface for money conversion

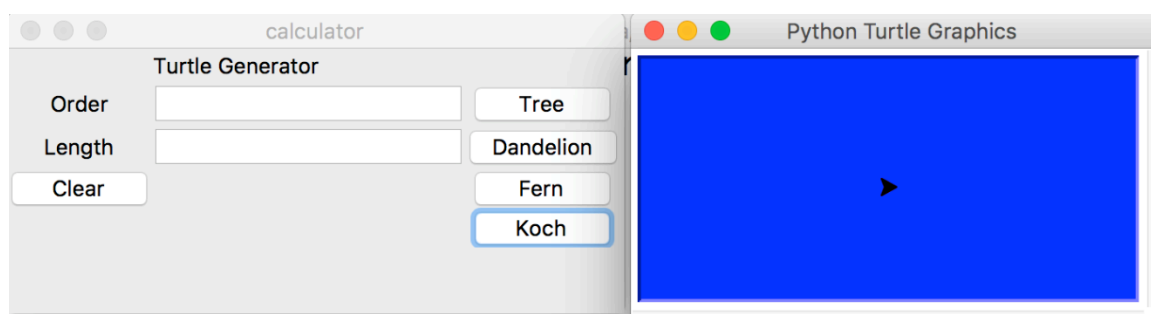


The interface, depicted above, has 1) some labels for the texts “Money Calculator”, “Euro” and “Dollar”, then 2 Entry-s to manipulate using StringVars (get and set) the numbers involved in conversion. Finally, two buttons Clear to empty the Entry-s and Convert to calculate the conversion. The interface is made based on a grid layout.

- Create the static labels by paying attention to their position on the grid
- Create the Entry-s and give them bigger columnspan.
- Create the buttons and then go to implement the buttons’ callback.

Task 2 – Binary Tree

This task is to implement an interface for drawing Turtle recursive figures. The interface is to give the user some functionality to type the order and the length of the figure and then to choose what figure to draw. This task should reuse the code we did last week so if you do not have this please download it from [here](#).



- Start from the last week file or from the downloaded file and remove all the lines to control the pen. The pen control functions are now going to be called from the interface.

- Make the interface with the three labels, the two entry-s, the Clear button and then with a button for each figure you work with.
- Important facts:
 - The entry-s must have a StringVar to manipulate dynamically the entry's text
 - The button clear should reset the Entry-s and the Turtle screen.
 - The figure draw button is more complex and should
 - Read the order and length values as int
 - Set the initial position for the pen
 - Call the drawing function from the turtlefigure file