import tkinter as tk

def octal\_to\_binary():

    octal\_num = octal\_input.get()

*# convert octal to binary*

    binary\_num = bin(int(octal\_num, 8))[2:]

    binary\_output.config(*state*='normal')

    binary\_output.delete(0, tk.END)

    binary\_output.insert(0, binary\_num)

    binary\_output.config(*state*='readonly')

*# Create a tkinter window*

window = tk.Tk()

window.title("PA 04")

window.geometry("400x200")

window.resizable(False, False)

*# Create input label and entry*

octal\_label = tk.Label(window, *text*="Enter an octal number:")

octal\_label.pack(*pady*=(20,5))

octal\_input = tk.Entry(window)

octal\_input.pack()

*# Create output label and entry*

binary\_label = tk.Label(window, *text*="Binary equivalent:")

binary\_label.pack(*pady*=5)

binary\_output = tk.Entry(window, *state*='readonly')

binary\_output.pack()

*# Create convert button*

convert\_button = tk.Button(window, *text*="Convert", *command*=octal\_to\_binary)

convert\_button.pack(*pady*=10)

*# Center all elements*

window.grid\_rowconfigure(0, *weight*=1)

window.grid\_columnconfigure(0, *weight*=1)

*# Run the tkinter event loop*

window.mainloop()