Code for Final Project:

```
from tkinter import *

class Operations(object):

    def display(self):

        root = Tk()

        first_number_label = Label(root, text='First Number')
        first_number_label.grid(sticky=E, padx=5, pady=5, row=0, column=0)

        first_number_entry = Entry(root, width=10)
        first_number_entry.grid(padx=5, pady=5, row=0, column=1)

        second_number_label = Label(root, text='Second Number')
        second_number_label.grid(sticky=E, padx=5, pady=5, row=1, column=0)

        second_number_entry = Entry(root, width=10)
        second_number_entry.grid(padx=5, pady=5, row=1, column=1)

        def do_operation(operation):
            first_number_text = first_number_entry.get()
            first_number = float(first_number_text)

            second_number_text = second_number_entry.get()
            second_number = float(second_number_text)

            if operation == 'add':
                result = first_number + second_number
            elif operation == 'subtract':
                result = first_number - second_number
            elif operation == 'multiply':
                result = first_number * second_number
            elif operation == 'divide':
                result = first_number / second_number
            else:
                result = "Invalid operation"

            result_label.config(text=str(result))

        add_button = Button(root, text='Add', command=lambda: do_operation('add'))
        add_button.grid(sticky=E+W, row=2, padx=5, pady=5, column=0)
```

```
    subtract_button = Button(root, text='Subtract', command=lambda:
do_operation('subtract'))
    subtract_button.grid(sticky=E+W, row=2, padx=5, pady=5, column=1)

    multiply_button = Button(root, text='Multiply', command=lambda:
do_operation('multiply'))
    multiply_button.grid(sticky=E+W, row=2, padx=5, pady=5, column=2)

    divide_button = Button(root, text='Divide', command=lambda: do_operation('divide'))
    divide_button.grid(sticky=E+W, row=2, padx=5, pady=5, column=3)

    result_label = Label(root, text='Result')
    result_label.grid(sticky=E+W, padx=5, pady=5, row=3, column=0, columnspan=4)

    root.mainloop()

if __name__ == '__main__':
  app = Operations()
  app.display()
```

Assignment #5:

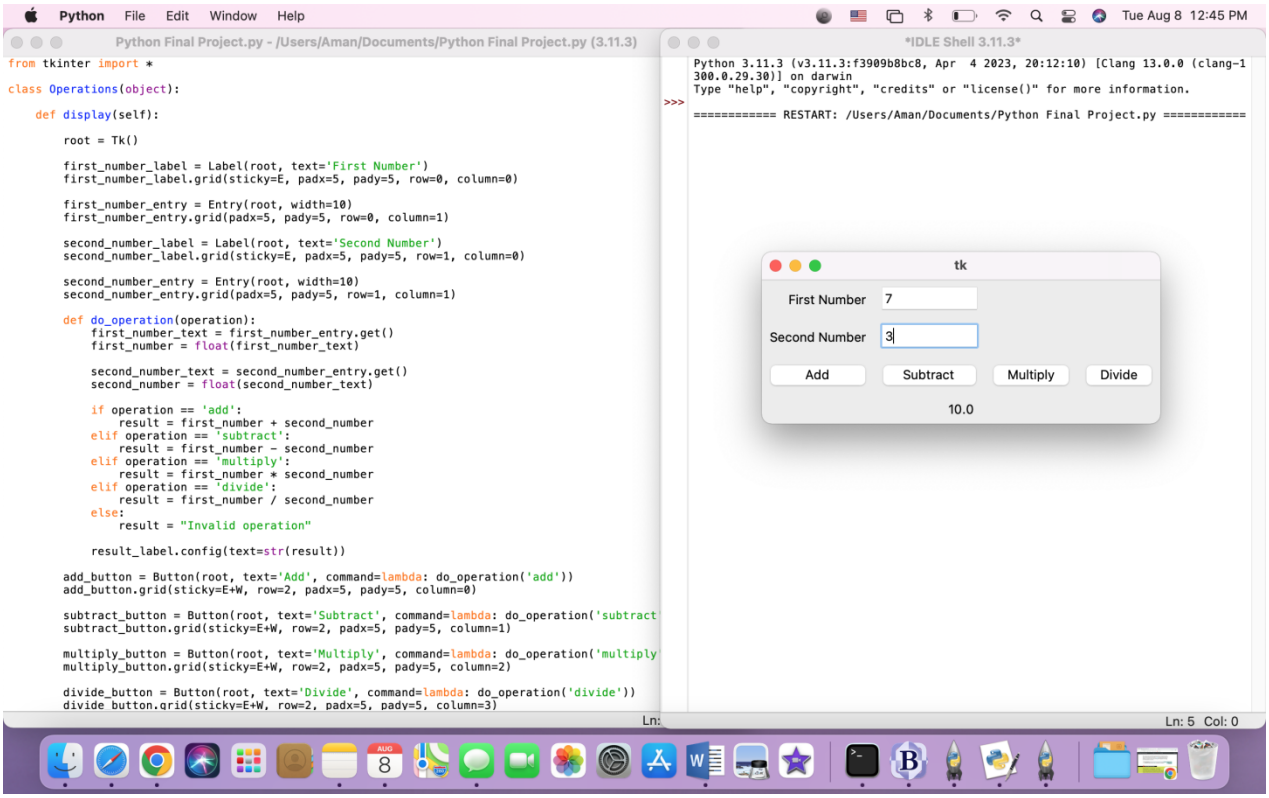
~/Documents/Python Assignment #5.py

```python
#Python Assignment 5

class Arithmetic:
    def __init__(self, a, b):
        self.a=7
        self.b=3
    def sum(self):
        return self.a+self.b
    def product(self):
        return self.a*self.b
    def quotient(self):
        return self.a/self.b
    def difference(self):
        return self.a-self.b

r = Arithmetic("7", "3")
print("If a is 7 and b is 3:")
print("The sum is", r.sum())
print("The product is", r.product())
print("The quotient is", r.quotient())
print("The difference is", r.difference())
```

Screenshot of running code:


Python File Edit Window Help
Tue Aug 8 12:45 PM
Python Final Project.py - /Users/Aman/Documents/Python Final Project.py (3.11.3)
IDLE Shell 3.11.3
Python 3.11.3 (v3.11.3:f3909b8bc8, Apr 4 2023, 20:12:10) [Clang 13.0.0 (clang-1300.0.29.30)] on darwin
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: /Users/Aman/Documents/Python Final Project.py ==========
tk
First Number
7
Second Number
3
Add
Subtract
Multiply
Divide
10.0
Ln:
Ln: 5 Col: 0