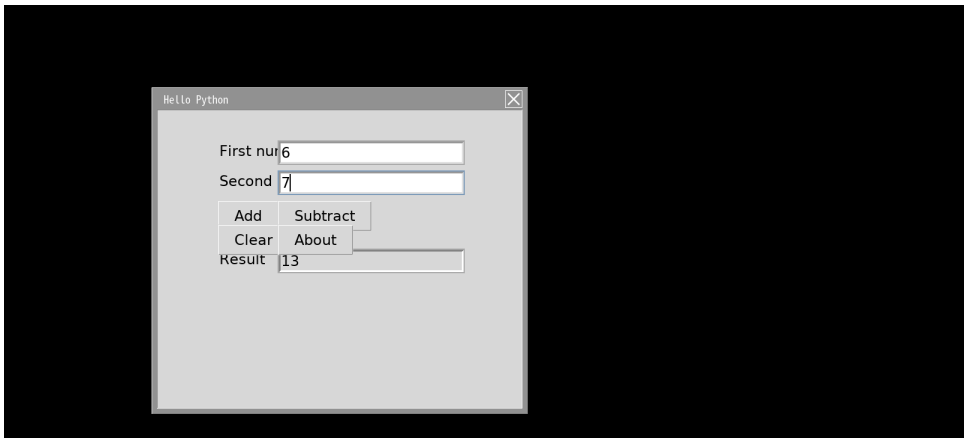
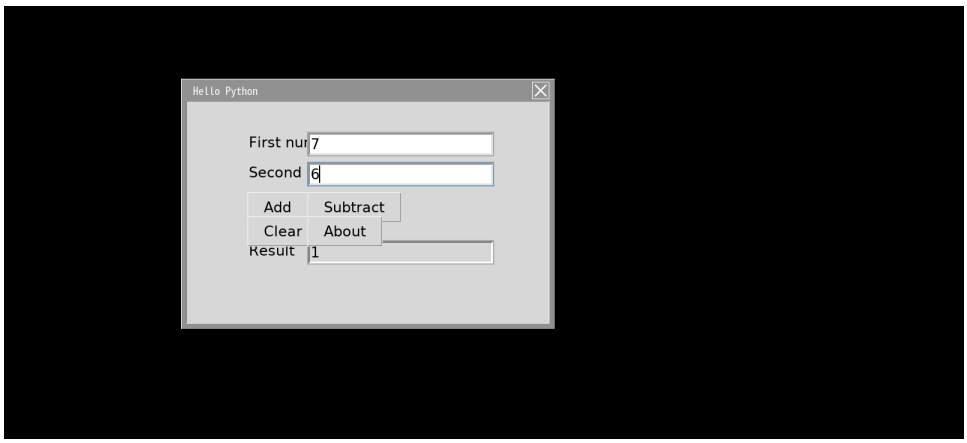
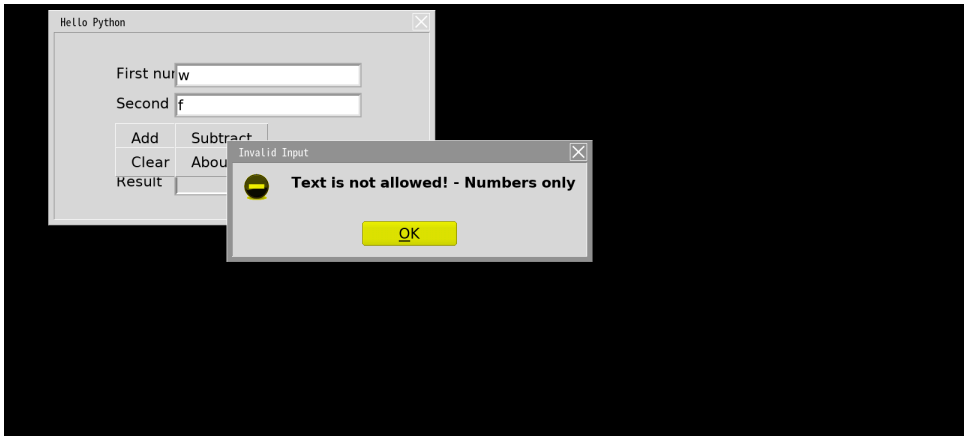
Zabala, Rhaldynyl Brian F.
C203

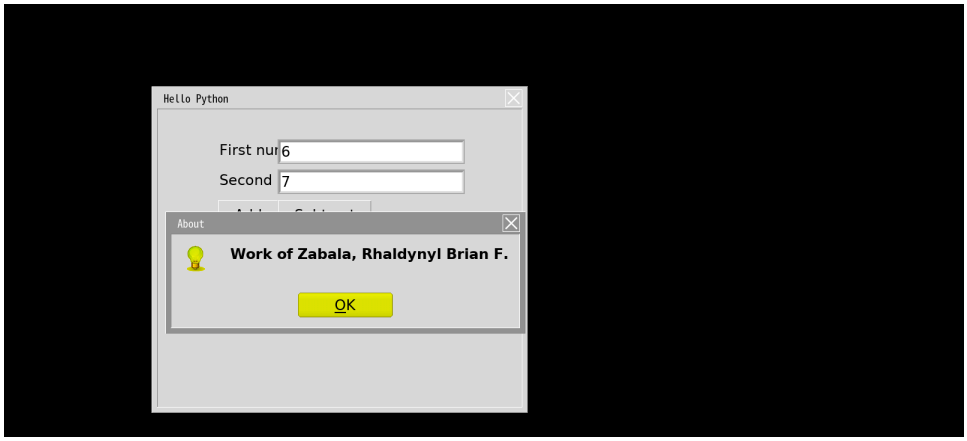
INSTRUCTIONS:
0. See and download the attached code simpleCalc.py and understand its coding style (It is actually in OOP code form)
1. Modify the program and add the ff: functionality
  1.1 CLEAR or RESET button that will clear the contents of the entry field
  1.2 Add an ABOUT button to display a MessageBox that will display your name, i.e. "Work of your Name"
  1.3 Create a VALIDATION CODE (try-except block) that will prevent the USER from typing text entry and display the message "Text is not allowed! - "Numbers Only"
  1.4 Make the Result text entry as READONLY/VIEW only

Output:









Code:

```
from tkinter import *
from tkinter import messagebox

class MyWindow:
    def __init__(self, win):

        self.lbl1 = Label(win, text='First number')
        self.lbl2 = Label(win, text='Second number')
        self.lbl3 = Label(win, text='Result')


        self.t1 = Entry(win, bd=3)
        self.t2 = Entry(win, bd=3)


        self.t3 = Entry(win, bd=3, state="readonly")
```

```
    self.b1 = Button(win, text='Add', command=self.add)
    self.b2 = Button(win, text='Subtract')
    self.b2.bind('<Button-1>', self.sub)

    self.bClear = Button(win, text='Clear', command=self.clear)
    self.bAbout = Button(win, text='About', command=self.show_about)


    self.lbl1.place(x=100, y=50)
    self.t1.place(x=200, y=50)
    self.lbl2.place(x=100, y=100)
    self.t2.place(x=200, y=100)
    self.b1.place(x=100, y=150)
    self.b2.place(x=200, y=150)
    self.bClear.place(x=100, y=190)
    self.bAbout.place(x=200, y=190)

    self.lbl3.place(x=100, y=230)
    self.t3.place(x=200, y=230)


def validate(self):
    try:
        n1 = int(self.t1.get())
        n2 = int(self.t2.get())
        return n1, n2
    except:
        messagebox.showerror("Invalid Input",
                             "Text is not allowed! - Numbers only")
        return None


def add(self):
    values = self.validate()
    if values is None:
        return
    num1, num2 = values
    result = num1 + num2
    self.t3.config(state="normal")
    self.t3.delete(0, END)
    self.t3.insert(END, str(result))
    self.t3.config(state="readonly")

def sub(self, event):
```

```
        values = self.validate()
        if values is None:
            return
        num1, num2 = values
        result = num1 - num2
        self.t3.config(state="normal")
        self.t3.delete(0, END)
        self.t3.insert(END, str(result))
        self.t3.config(state="readonly")

    def clear(self):
        self.t1.delete(0, END)
        self.t2.delete(0, END)
        self.t3.config(state="normal")
        self.t3.delete(0, END)
        self.t3.config(state="readonly")

    def show_about(self):
        messagebox.showinfo("About", "Work of Zabala, Rhaldynyl Brian F.")


if __name__ == '__main__':
    window = Tk()
    mywin = MyWindow(window)
    window.title('Hello Python')
    window.geometry("400x300+10+10")
    window.mainloop()
```