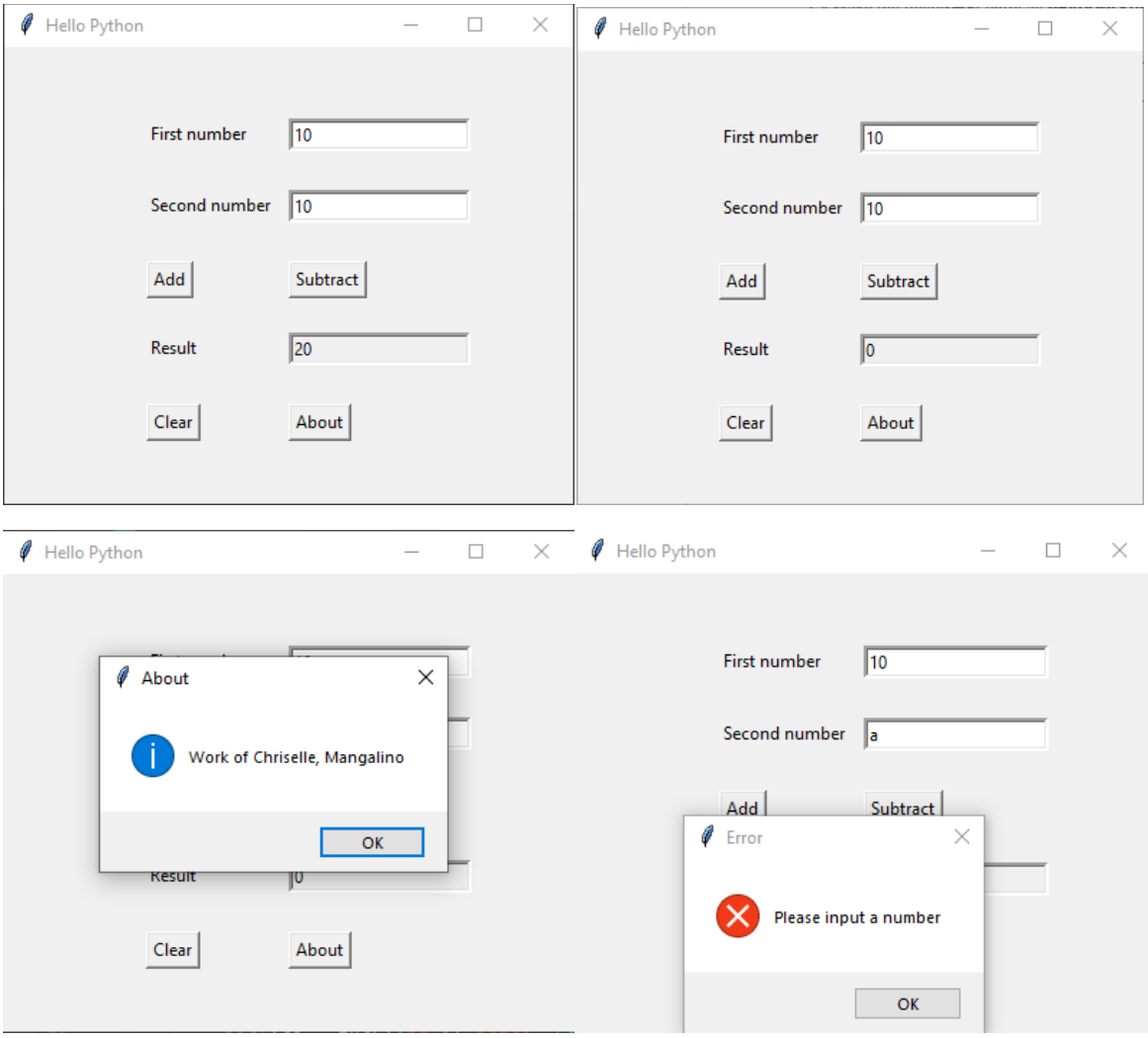
Mangalo, Chriselle
C203

7OOP

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



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```
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(bd=3)
        self.t2 = Entry(bd=3)
        self.t3 = Entry(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.b_clear = Button(win, text='Clear', command=self.clear_all)
        self.b_about = Button(win, text='About', command=self.about_msg)
        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.lbl3.place(x=100, y=200)
        self.t3.place(x=200, y=200)
        self.b_clear.place(x=100, y=250)
        self.b_about.place(x=200, y=250)
    def add(self):
        try:
```

```
            num1 = int(self.t1.get())
            num2 = int(self.t2.get())
            result = num1 + num2
            self.show_result(result)
        except:
            messagebox.showerror("Error", "Please input a number")

    def sub(self, event):
        try:
            num1 = int(self.t1.get())
            num2 = int(self.t2.get())
            result = num1 - num2
            self.show_result(result)
        except:
            messagebox.showerror("Error", "Please input a number")

    def show_result(self, value):
        self.t3.config(state="normal")
        self.t3.delete(0, 'end')
        self.t3.insert(END, str(value))
        self.t3.config(state="readonly")

    def clear_all(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 about_msg(self):
        messagebox.showinfo("About", "Work of Chriselle, Mangalino")


if __name__ == '__main__':
    window = Tk()
    mywin = MyWindow(window)
    window.title('Hello Python')
    window.geometry("400x320+10+10")
    window.mainloop()
```