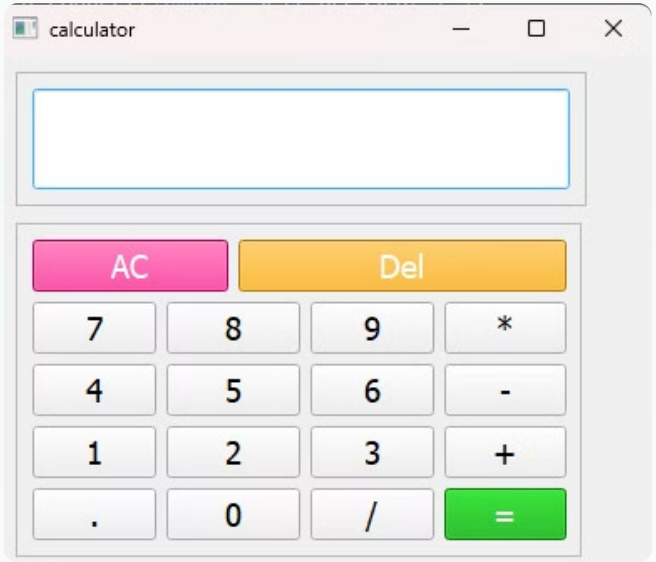
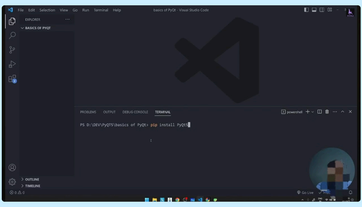
NextHikes IT Solutions Project 1: Building Basic Calculator

By Priyanka Mathur

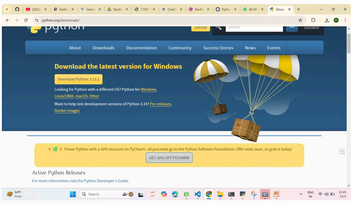


Step 1: Install PyQt5 and python version 3.13.1

pyqt5 library (install using pip install pyqt5)



- This project is a simple calculator application built using Python and PyQt5



▼ Download the python here and make the calculator with the help of pyqt5 and python

▼ Calculator Logic

1

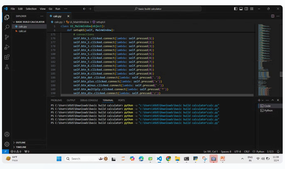
convert the file calc.ui into calc.py

.

2

Operation Selection

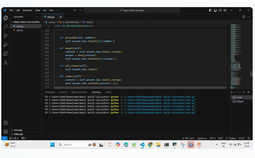
Determine the desired operation based on the button clicked, such as addition, subtraction, multiplication, or division.



3

Function define for the operation

here define fuction for operation



.

4

All button function here

def pressed(self, number):

self.answer_box.insert(str(number))

def equal(self):

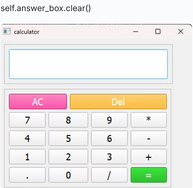
content = self.answer_box.text().strip()

answer = eval(content)

self.answer_box.setText(str(answer))

def all_clear(self):

self.answer_box.clear()



def clear(self):

content = self.answer_box.text().strip()

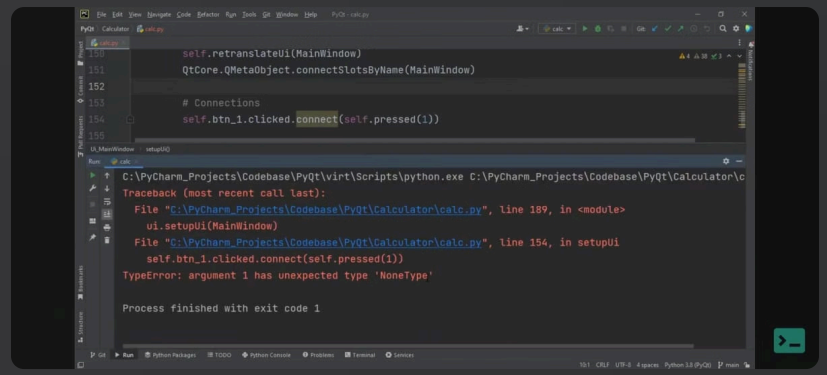
self.answer_box.setText(content[:-1])

Error Handling

1

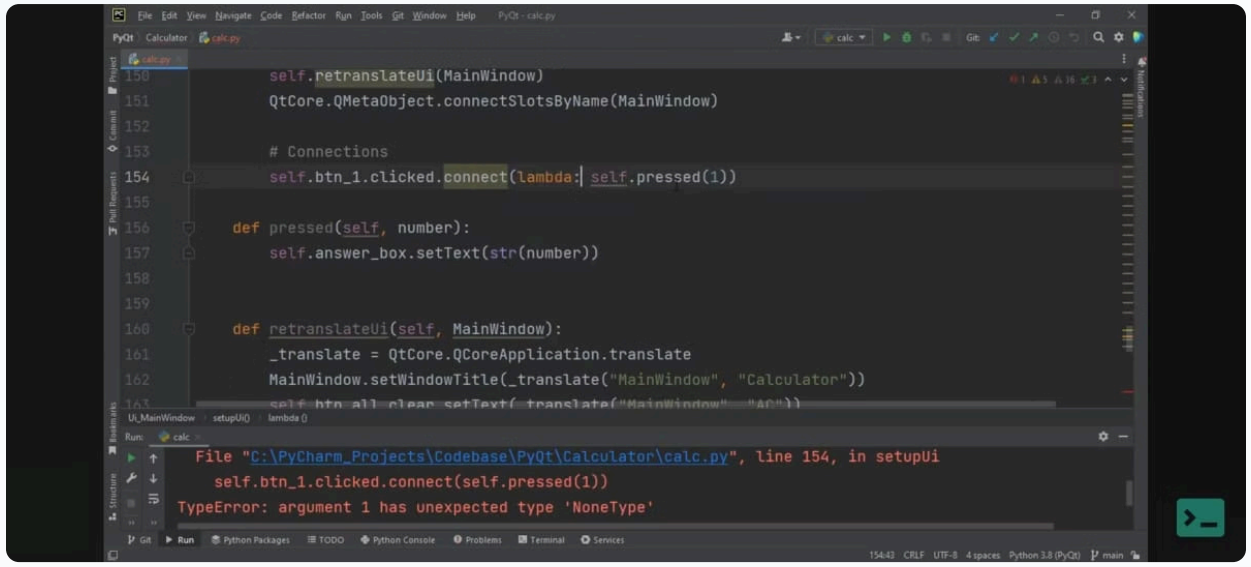
Invalid Input

self.btn_1.clicked.connect(self.pressed(1))



solution is that the write the lambda function here

self.btn_1.clicked.connect(lambda: self.pressed(1))



save and run code

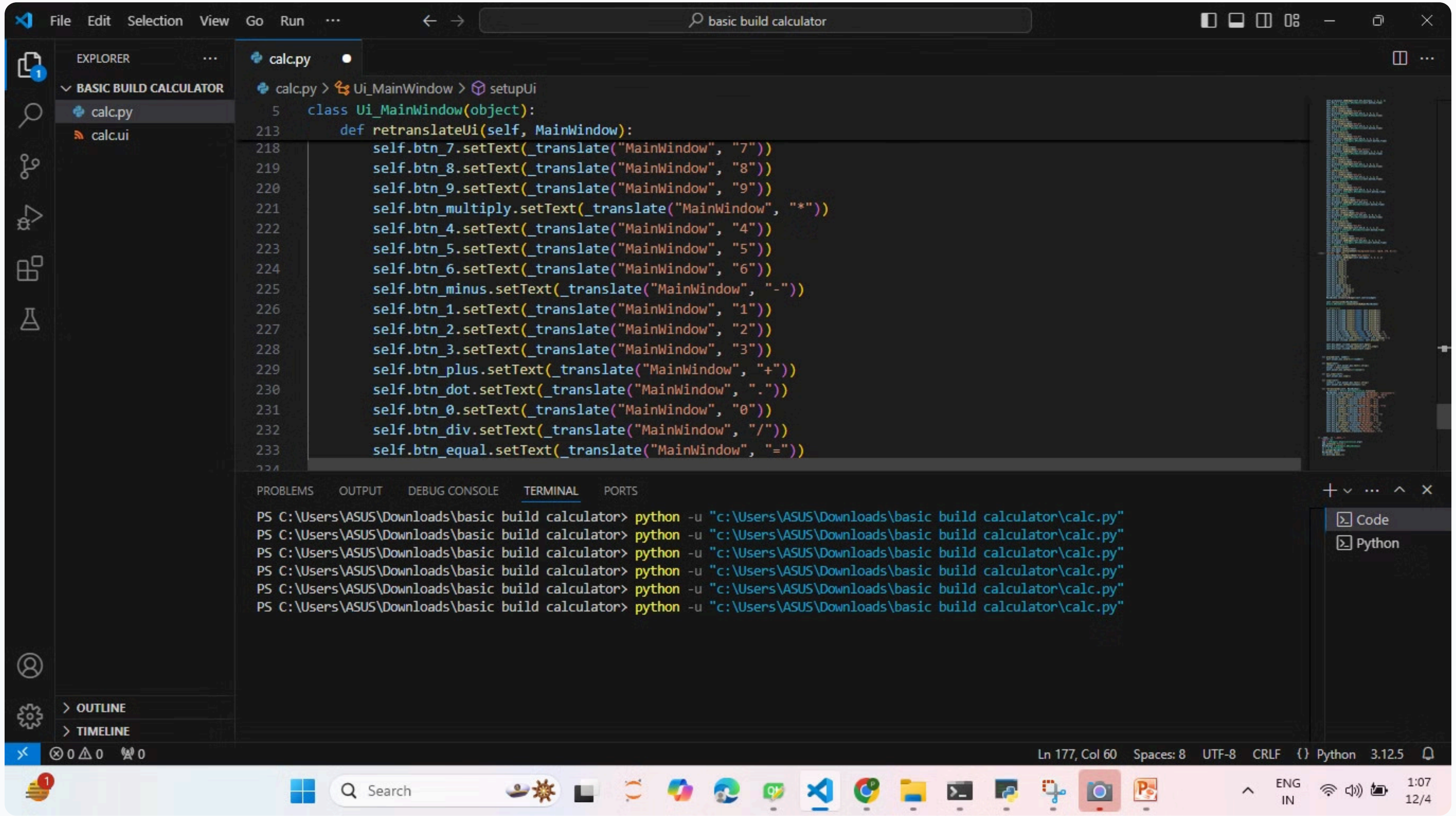
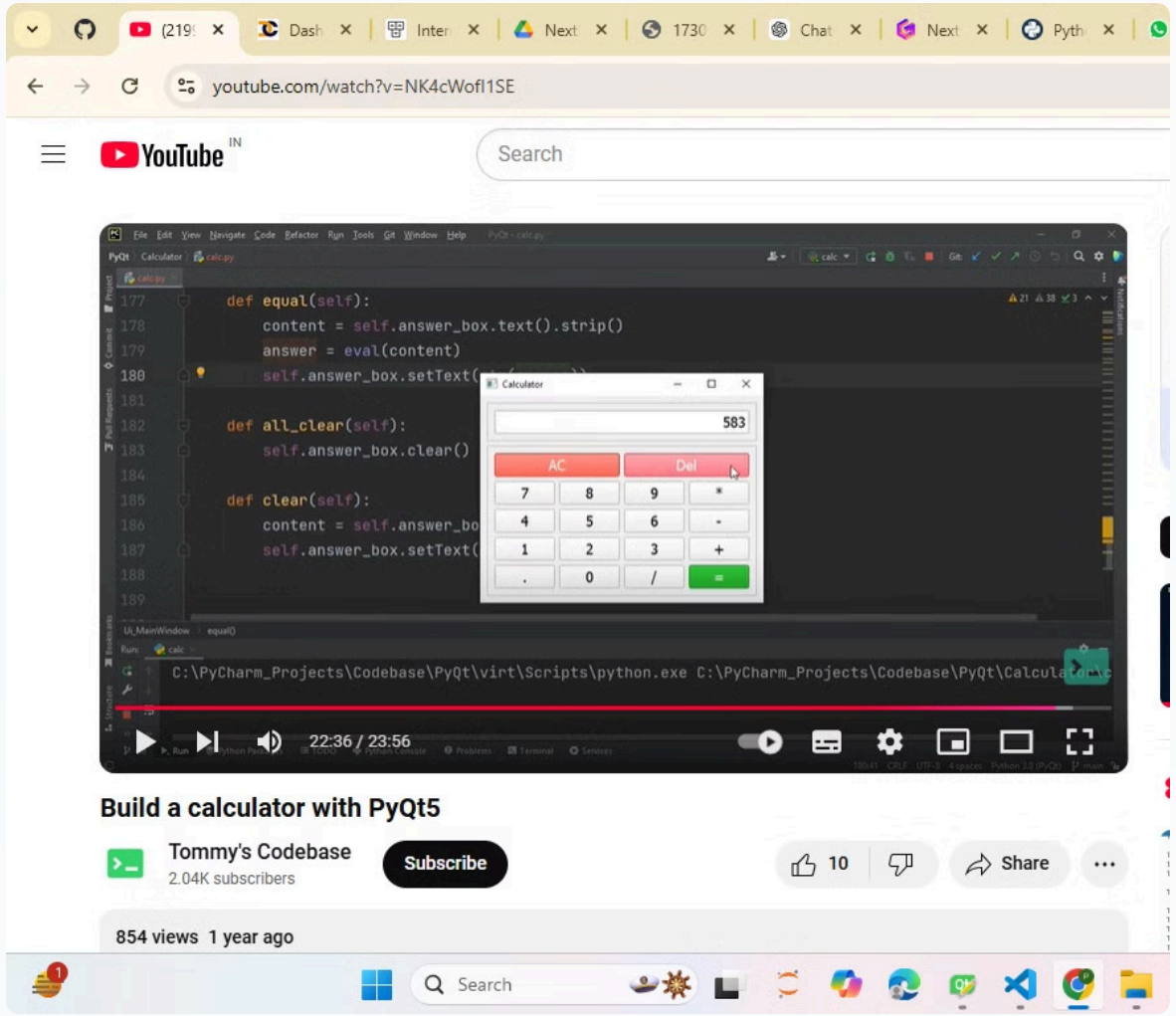


image the calculator



important links to build the calculator

install vs code from code with harry **https://www.youtube.com/@CodeWithHarry**

build the calcilator with pyqt5 from tommy's codebase **https://www.youtube.com/@tommys_codebase**

python download **https://www.python.org/downloads/**

pyqt5 quick guide **https://www.youtube.com/@tech-hamsters**

Thank you