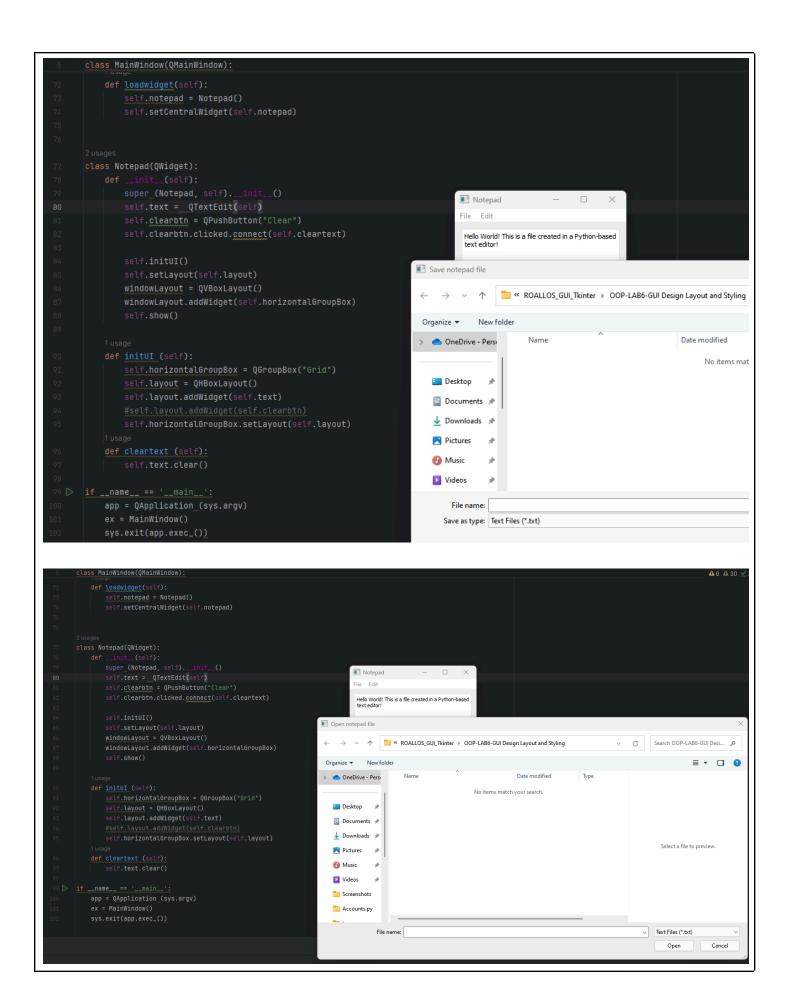
Activity No. 6	
GUI Design: Layout and Styling	
Course Code: CPE009	Program: BS Computer Engineering
Course Title: Object-Oriented Programming 2	<b>Date Performed:</b> 10 / 28 / 2024
Section: CPE21S4	Date Submitted: 11 / 03 / 2024
Name(s): ROALLOS, Jean Gabriel Vincent G.	Instructor: Prof. Maria Rizette Sayo

## **Documentation**

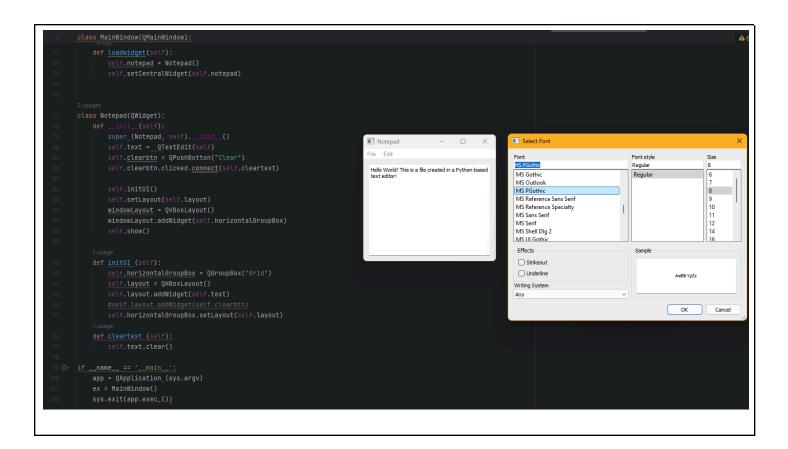
```
class GridExample(QWidget):
       self.setLayout(grid)
                                                                          ■ Grid Layout
                                                                                                                    4
                                                                                                   0
                                                                               3
        grid.addWidget(self.textLine, 0, 1, 1, 5)
           button = QPushButton(name)
           grid.addWidget(button, *position)
   app = QApplication_(sys.argv)
```

```
self.notepad = Notepad()
        self.setCentralWidget(self.notepad)
class Notepad(QWidget):
        super_(Notepad, self).__init__()
                                                                                Notepad
                                                                                File Edit
        self.clearbtn = QPushButton("Clear")
        self.clearbtn.clicked.connect(self.cleartext)
                                                                                 Hello World! This is a file created in a Python-based
                                                                                 text editor!
        self.initUI()
        self.setLayout(self.layout)
        windowLayout = QVBoxLayout()
        windowLayout.addWidget(self.horizontalGroupBox)
        self.show()
        self.horizontalGroupBox = QGroupBox("Grid")
        self.layout = QHBoxLayout()
        self.layout.addWidget(self.text)
        self.horizontalGroupBox.setLayout(self.layout)
       self.text.clear()
    app = QApplication (sys.argv)
```

```
class MainWindow(QMainWindow):
        self.notepad = Notepad()
        self.setCentralWidget(self.notepad)
class Notepad(QWidget):
        super_(Notepad, self).__init__()
                                                                              ■ Notepad
                                                                                                       X
                                                                              File Edit
        self.clearbtn = QPushButton("Clear")
                                                                                         Ctrl+S
        self.clearbtn.clicked.connect(self.cleartext)
                                                                                                eated in a Python-based
                                                                                         Ctrl+O
                                                                                  Open
                                                                                  Exit
                                                                                         Ctrl+Q
        windowLayout = QVBoxLayout()
        windowLayout.addWidget(self.horizontalGroupBox)
        self.horizontalGroupBox = QGroupBox("Grid")
        self.layout = QHBoxLayout()
        self.layout.addWidget(self.text)
        self.horizontalGroupBox.setLayout(self.layout)
    def cleartext (self):
        self.text.clear()
    app = QApplication (sys.argv)
    ex = MainWindow()
    sys.exit(app.exec_())
```



```
class MainWindow(QMainWindow):
               self.notepad = Notepad()
               self.setCentralWidget(self.notepad)
      class Notepad(QWidget):
               super_(Notepad, self).__init__()
                                                                                     Notepad
                                                                                     File Edit
               self.clearbtn = QPushButton("Clear")
                                                                                             Clear
                                                                                                   Ctrl+M
               self.clearbtn.clicked.connect(self.cleartext)
                                                                                      Hell
                                                                                                            a Python-based
                                                                                                   Ctrl+D
                                                                                            Font
                                                                                      text
               self.setLayout(self.layout)
               windowLayout.addWidget(self.horizontalGroupBox)
               self.horizontalGroupBox = QGroupBox("Grid")
               self.layout = QHBoxLayout()
               self.layout.addWidget(self.text)
               self.horizontalGroupBox.setLayout(self.layout)
               self.text.clear()
99 > if __name__ == '__main__':
          app = QApplication_(sys.argv)
          sys.exit(app.exec_())
```

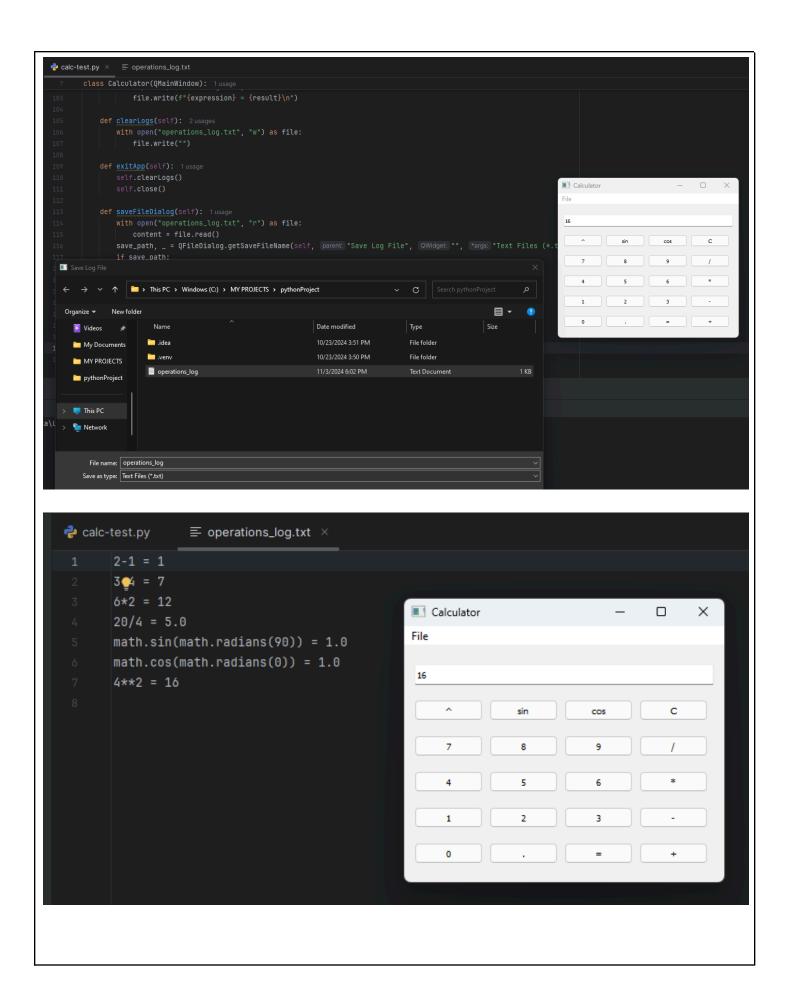


```
class MainWindow(QMainWindow):
            self.notepad = Notepad()
            self.setCentralWidget(self.notepad)
    class Notepad(QWidget):
            super_(Notepad, self).__init__()
                                                                                Notepad
            self.text = __QTextEdit(self)
                                                                                File Edit
            self.clearbtn = QPushButton("Clear")
            self.clearbtn.clicked.connect(self.cleartext)
                                                                                 Hello World! This is a file
                                                                                 created in a Python-based
                                                                                 text editor!
            self.initUI()
            windowLayout = QVBoxLayout()
            windowLayout.addWidget(self.horizontalGroupBox)
            self.horizontalGroupBox = QGroupBox("Grid")
            self.layout = QHBoxLayout()
            self.layout.addWidget(self.text)
            self.horizontalGroupBox.setLayout(self.layout)
           self.text.clear()
if __name__ == '__main__':
        app = QApplication (sys.argv)
        ex = MainWindow()
        sys.exit(app.exec_())
```

```
class MainWindow(QMainWindow):

def landmidget(self):
    self.instepad = Notepad()
    self.setCentralWinget(self):
    self.setCentralWinget(self):
    self.setCentralWinget(self):
    self.setCentralWinget(self):
    self.setCentralWinget(self):
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```

## 6. Supplementary Activity



## 7. Conclusion

In conclusion, there are more functions within the PyQt5 library that can help an app developer to diversify the UI. I have also explored the possibilities of creating a text editor and a calculator using the Python programming language. This experiment also introduced the shortcuts and assigning to different functions within the Python program.

## 8. Assessment Rubric