Python Project Work

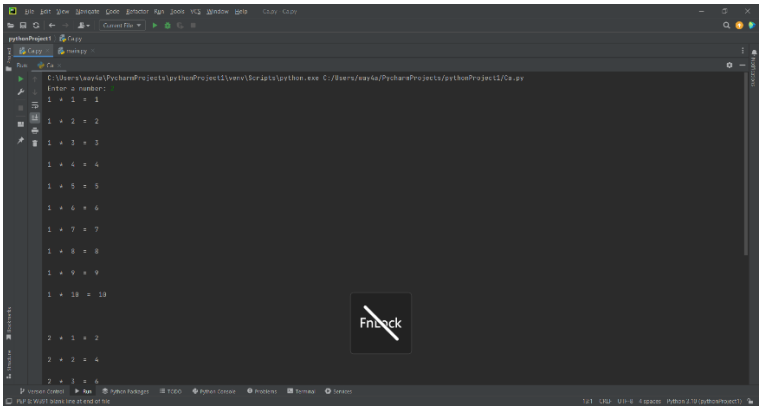
1) Multiplication Table:

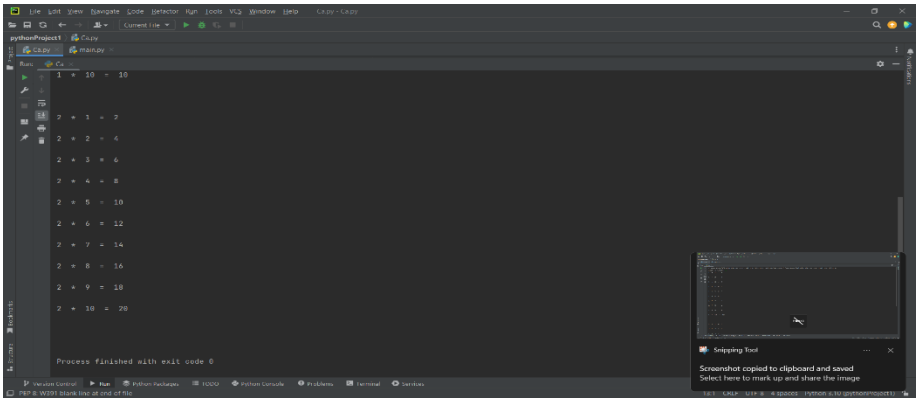
Code:

```
num = int(input("Enter a number: "))

i=1
while i <=num:
    j=1
    while j <= 10:
        product = i*j
        print(i, " * ", j, " = ", product, "\n")
        j = j + 1
    print("\n")
    i = i + 1
```

Output:





2) User Interface:

```
3)          self.setWindowTitle("MY NOTEPAD")
            self.action12pt.triggered.connect(lambda: self.change_size(12))
            self.action18pt.triggered.connect(lambda: self.change_size(18))
            self.action24pt.triggered.connect(lambda: self.change_size(24))

            self.actionOpen.triggered.connect(self.open_file)
            self.actionSave.triggered.connect(self.save_file)
            self.actionclose.triggered.connect(exit)
        def change_size(self,size):
               self.plainTextEdit.setFont(QFont("Arial",size))
        def open_file(self):
            options = QFileDialog.Options()
            filename, _ = QFileDialog.getOpenFileName(self,"Open
    File","","Text Files (*.txt  );;Python Files (*.py)", options=options)
            if filename!= "":
                with open(filename,"r") as f:
                    self.plainTextEdit.setPlainText(f.read())
        def save_file(self):
            options = QFileDialog.Options()
            filename, _ = QFileDialog.getSaveFileName(self,"Save
    File","","Text Files (*.txt);;All Files(*)", options=options)
            if filename!= "":
                with open(filename,"w") as f:
                    f.write(self.plainTextEdit.toPlainText())

        def closeEvent(self, event):
            dialog = QMessageBox()
            dialog.setText("Do you want to save your work")
            dialog.addButton(QPushButton("Yes"),QMessageBox.YesRole)
            dialog.addButton(QPushButton("No"),QMessageBox.NoRole)
            dialog.addButton(QPushButton("Cancel"),QMessageBox.CancelRole)

            answer = dialog.exec_()

            if answer==0:
                self.save_file()
                event.accept()
            elif answer==2:
                event.ignore()

    def main():
        app = QApplication([])
        window = MyGUI()
        app.exec_()



    if __name__ == '__main__':
        main()
```

Output:


MY NOTEPAD
File
Option