

```
from PySide2.QtWidgets import QApplication, QMainWindow, QAction, QTextEdit
import sys
from PySide2.QtGui import QIcon, QFont
from PySide2.QtPrintSupport import QPrinter, QPrintPreviewDialog
```

```
class Window(QMainWindow):
```

```
    def __init__(self):
        super().__init__()
```

```
        self.setWindowTitle("Simple Notepad Application")
        self.setGeometry(300, 200, 1280, 600)
```

```
        self.textEdit = QTextEdit(self)
        self.textEdit.setFont(QFont('Sanserif', 13))
        self.setCentralWidget(self.textEdit)
```

```
        self.setIcon()
```

```
        self.create_menu()
        self.show()
```

```
    def setIcon(self):
        appIcon = QIcon("icon.png")
        self.setWindowIcon(appIcon)
```

```
    def create_menu(self):
        mainMenu = self.menuBar()
        fileMenu = mainMenu.addMenu('File')
        viewMenu = mainMenu.addMenu('View')
        editMenu = mainMenu.addMenu('Edit')
        fontMenu = mainMenu.addMenu('Font')
        helpMenu = mainMenu.addMenu('Help')
```

```
        openAction = QAction(QIcon('open.png'), "Open", self)
        openAction.setShortcut('Ctrl+O')
```

```
        saveAction = QAction(QIcon('save.png'), "Save", self)
        saveAction.setShortcut('Ctrl+S')
```

```
        exitAction = QAction(QIcon('exit.png'), "Exit", self)
        exitAction.setShortcut('Ctrl+X')
```

```
        previewAction = QAction(QIcon('printpreview.png'), "Print Preview", self)
```

```
        exitAction.triggered.connect(self.exit_app)
```

```
        previewAction.triggered.connect(self.print_preview_dialog)
```

```
fileMenu.addAction(openAction)
fileMenu.addAction(saveAction)
fileMenu.addAction(exitAction)

viewMenu.addAction(previewAction)
```

```
def exit_app(self):
    self.close()
```

```
def print_preview_dialog(self):
    printer = QPrinter(QPrinter.HighResolution)
    previewDialog = QPrintPreviewDialog(printer, self)

    previewDialog.paintRequested.connect(self.print_preview)
    previewDialog.exec_()
```

```
def print_preview(self, printer):
    self.textEdit.print_(printer)
```

```
myapp = QApplication(sys.argv)
window = Window()
myapp.exec_()
sys.exit()
```