

```
#include "mainwindow.h"
#include "ui_mainwindow.h"
#include <QFile>
#include <QFileDialog>
#include <QTextStream>
#include <QMessageBox>
#include <QFontDialog>
#include <QFont>
#include <QColor>
#include <QColorDialog>
#include <QPrinter>
#include <QPrintDialog>
```

```
MainWindow::MainWindow(QWidget *parent)
    : QMainWindow(parent)
    , ui(new Ui::MainWindow)
{
    ui->setupUi(this);
    this->setCentralWidget(ui->textEdit);
}
```

```
MainWindow::~MainWindow()
{
    delete ui;
}
```

```
void MainWindow::on_actionCut_triggered()
{
    ui->textEdit->cut();
}
```

```
void MainWindow::on_actionCopy_triggered()
{
    ui->textEdit->copy();
}
```

```
void MainWindow::on_actionPaste_triggered()
{
    ui->textEdit->paste();
}
```

```
void MainWindow::on_actionSave_triggered()
{
    QFile file(filePath);
```

```
    if (!file.open(QFile::WriteOnly | QFile::Text)) {
        QMessageBox::warning(this, "Not Opened", "File couldn't open!");
        return;
    }
```

```
    QTextStream out(&file);
```

```
    out << ui->textEdit->toPlainText();  
    file.flush();  
    file.close();  
}
```

```
void MainWindow::on_actionSave_as_triggered()  
{  
    filePath = QFileDialog::getSaveFileName(this,"Save as");  
    QFile file(filePath);
```

```
    if (!file.open(QFile::WriteOnly | QFile::Text)) {  
        QMessageBox::warning(this,"Not Opened","File couldn't open!");  
        return;  
    }
```

```
    QTextStream out(&file);  
    out << ui->textEdit->toPlainText();  
    file.flush();  
    file.close();  
}
```

```
void MainWindow::on_actionRedo_triggered()  
{  
    ui->textEdit->redo();  
}
```

```
void MainWindow::on_actionUndo_triggered()  
{  
    ui->textEdit->undo();  
}
```

```
void MainWindow::on_actionInformation_triggered()  
{  
    QString info = "Auther: Arda Erdoğan\n";  
    info += "Date: 2/12/2022\n";  
    info += "(C) Notepad (R)";
```

```
    QMessageBox::about(this,"About",info);  
}
```

```
void MainWindow::on_actionNew_triggered()  
{  
    this->filePath = "";  
    ui->textEdit->setText("");  
}
```

```
void MainWindow::on_actionOpen_triggered()  
{  
    filePath = QFileDialog::getOpenFileName(this,"Open File");  
    QFile file(filePath);
```

```
if (!file.open(QFile::ReadOnly | QFile::Text)) {  
    QMessageBox::warning(this,"Not Opened","File couldn't open!");  
    return;  
}
```

```
QTextStream in(&file);  
QString text = in.readAll();  
ui->textEdit->setText(text);  
file.close();  
}
```

```
void MainWindow::on_actionFont_triggered()  
{  
    bool ok;  
    QFont font = QFontDialog::getFont(&ok,this);
```

```
    if (ok)  
        ui->textEdit->setFont(font);  
    else  
        return;  
}
```

```
void MainWindow::on_actionText_Color_triggered()  
{  
    QColor color = QColorDialog::getColor(Qt::white,this,"Chose Color");
```

```
    if (color.isValid())  
        ui->textEdit->setTextColor(color);  
    else  
        return;  
}
```

```
void MainWindow::on_actionBackground_color_of_the_Text_triggered()  
{  
    QColor color = QColorDialog::getColor(Qt::white,this,"Chose Color");
```

```
    if (color.isValid())  
        ui->textEdit->setTextBackgroundColor(color);  
}
```

```
void MainWindow::on_actionBackground_Color_of_the_Plain_Text_triggered()  
{  
    QColor color = QColorDialog::getColor(Qt::white,this,"Chose Color");
```

```
    if (color.isValid())  
        ui->textEdit->setPalette(QPalette(color));  
}
```

```
void MainWindow::on_actionPrint_triggered()
```

```
{
    QPrinter printer;
    printer.setPrinterName("Desired printer name");
    QPrintDialog dialog(&printer,this);

    if (dialog.exec() == QDialog::Rejected)
        return;

    ui->textEdit->print(&printer);
}
```