

```
#ifndef MAINWINDOW_H
#define MAINWINDOW_H

#include <QMainWindow>

QT_BEGIN_NAMESPACE
namespace Ui
{
class MainWindow;
}
QT_END_NAMESPACE

class MainWindow : public QMainWindow
{
    Q_OBJECT

public:
    MainWindow( QWidget* parent = nullptr );
    ~MainWindow();

private slots:
    void on_pushButton_Play_clicked();

    void on_actionOpen_triggered();

    void on_actionSave_As_triggered();

    void on_horizontalScrollBar_zoom_valueChanged( int value );

private:
    Ui::MainWindow* ui;

    QString qOpenFileName;
    QString qSaveAsFileName;

    void plot();
};
#endif // MAINWINDOW_H
```