**Qt5学习笔记**

# 文件流

1. #include<QFileInfo>
2. #include<QStringList>
3. #include<QDateTime>
4. #include<QDebug>
5. #include<QDir>
6. #include<QTextStream>

## 1.1 读写文件

**QCoreApplication a(argc, argv);**

**QFile file("myfile.txt");**

**if(!file.*open*(QIODevice::*WriteOnly* | QIODevice::*Text*))**

**qDebug()<<file.errorString();**

**file.write("hello\nmy QT!");**

**file.*close*();**

**QFileInfo info(file);**

**qDebug()<<QObject::tr("THE Direct:")<<info.absoluteFilePath()<<endl**

**<<QObject::tr("FIEL NAME:")<<info.fileName()<<endl**

**<<QObject::tr("BASE name:")<<info.baseName()<<endl**

**<<QObject::tr("suffix:")<<info.suffix()<<endl**

**<<QObject::tr("TIEM OF Creat:")<<info.created()<<endl**

**<<QObject::tr("size:")<<info.size()<<endl;**

**if(!file.*open*(QIODevice::*ReadOnly* | QIODevice::*Text*))**

**qDebug()<<file.errorString();**

**qDebug()<<QObject::tr("content:")<<endl<<file.readAll();**

**qDebug()<<QObject::tr("the direct:")<<file.*pos*();**

**file.*seek*(0);**

**QByteArray array;**

**array=file.read(5);**

**qDebug()<<QObject::tr("the forward 5 char:")<<array<<**

**QObject::tr("the index:")<<file.*pos*();**

**file.*seek*(15);**

**array=file.read(5);**

**qDebug()<<QObject::tr("the 16-20 char:")<<array;**

**file.*close*();**

## 1.2 读写目录

**qDebug()<<"\*\*\*\*\*\*\*\*QDir\*\*\*\*\*\*\*\*\*"<<endl;**

**QDir dir="C:/Users/Administrator/Desktop";**

**qDebug()<<dir.count()<<endl;**

**QStringList filter;**

**filter<<"\*.docx";**

**dir.setNameFilters(filter);**

**qDebug()<<dir.count()<<endl;**

**QFileInfoList list=dir.entryInfoList();**

**for(int i=0;i<list.size();i++){**

**QFileInfo fileinfo1=list.at(i);**

**qDebug()<<qPrintable(QString("%1 %2").arg(fileinfo1.size(),10).arg(fileinfo1.fileName()));**

**}**

## 1.3 QTextStream读写操作，类似VS fstream流

qDebug()<<"\*\*\*\*\*\*\*\*QTextStream\*\*\*\*\*\*\*\*\*"<<endl;

QFile data("output.txt");

if(data.*open*(QFile::*WriteOnly* | QFile::*Truncate*)){

QTextStream out(&data);

out<<"Result:"<<qSetFieldWidth(10)<<left<<3.14<<2.7<<endl;

out<<"my name is luo silong";

}

data.*close*();

QFile infile("output.txt");

if(!infile.*open*(QIODevice::*ReadOnly* | QIODevice::*Text*))

return 1;

QTextStream in(&infile);

while(!in.atEnd())

{

QString line=in.readLine();

qDebug()<<line<<endl;

qDebug()<<line[0]<<endl;

}

# 2.设置图标

QCheckBox \*chk=new QCheckBox("P&rogramming",this);

chk->move(50,50);

chk->setIcon(QIcon("E:/QtProjects/map/1"));

# 3.固定窗口大

int main(int argc, char \*argv[])

{

QApplication a(argc, argv);

Widget w;

w.setWindowTitle("Luo Silong First QT:2017.12.22");

//w.setWindowFlags(w.windowFlags()&~Qt::WindowMinMaxButtonsHint);//去掉窗口上的最大最小按钮

//w.setWindowFlags(w.windowFlags()&~Qt::WindowMinMaxButtonsHint | Qt::WindowMaximizeButtonHint);//去掉最大化按钮

w.setFixedSize(w.width(),w.height()); //w.setFixedSize(460,250);//完全固定窗口大小!

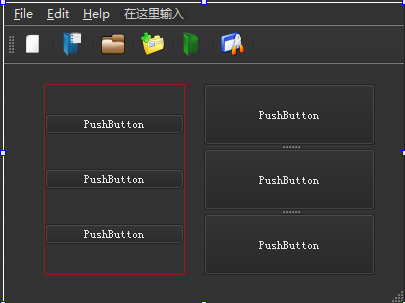
w.show();

return a.exec();

}

# 4.界面布局

4.1）直接垂直布局（**垂直方向大小固定**）与分裂器垂直布局（**垂直方向大小可变**）的区别。



代码编写，QGridLayout \*nlayout=new QGridLayout(this);

Nlayout.addWidget(pushbutton,0,0);

…..

Ui->centralWidget->setlayout(nlayout);