**package** com.example.ansan.myapplication;

**import** android.content.Context;

**import** android.support.v7.app.AppCompatActivity;

**import** android.os.Bundle;

**import** android.view.View;

**import** android.widget.Toast;

**import** java.io.FileInputStream;

**import** java.io.FileNotFoundException;

**import** java.io.FileOutputStream;

**import** java.io.IOException;

**public class** MainActivity **extends** AppCompatActivity {

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main***);

}

**public void** onSave(View v){

**try** {

*//파일생성*

FileOutputStream fo = openFileOutput(**"test.txt"**, Context.***MODE\_WORLD\_WRITEABLE***);*//새로만들기함수*

*//파일쓰기*

String str = **"안녕하세요"**;

String str2 = **"이상"**;

fo.write(str.getBytes());*//오류가 날시 add catch로가기*

fo.write(str2.getBytes());

fo.close();*//파일닫기*

Toast.*makeText*(getApplicationContext(),**"파일 저장 성공"**,

Toast.***LENGTH\_SHORT***).show();

} **catch** (FileNotFoundException e) {

*//e.printStackTrace();*

Toast.*makeText*(getApplicationContext(),**"파일 저장시 에러 발생"**,

Toast.***LENGTH\_SHORT***).show();

*// 트라이 캐치구문은 트라이부문이 에러가 날시 캐치부분으로 넘겨준다는걸 뜻함*

} **catch** (IOException e) {

*// e.printStackTrace();*

Toast.*makeText*(getApplicationContext(),

**"파일 쓰기시 에러 발생"**,

Toast.***LENGTH\_SHORT***).show();

}

}

**public void** onPen(View v){

**try** {

*//파일 읽기*

FileInputStream fi = openFileInput(**"test.txt"**); *//서라운드 트라이캐치실행*

*// FileInputStream 가 byte로 읽기에 바이트로 실행*

**byte** arr[] = **new byte**[fi.available()]; *// 에드 캐치 실행*

fi.read(arr);*//파일 읽기*

fi.close();

*//우리가 바이트를 바이트를 스트링으로 변환*

String str = **new** String(arr);

Toast.*makeText*(getApplicationContext(),

**"파일 내용 : "**+ str,

Toast.***LENGTH\_SHORT***).show();

*//에러가 날시 가는 구문*

} **catch** (FileNotFoundException e) {

*// e.printStackTrace();*

Toast.*makeText*(getApplicationContext(),

**"파일이 없음"**,

Toast.***LENGTH\_SHORT***).show();

*//에러시*

} **catch** (IOException e) {

e.printStackTrace();

}

}

}

*<?***xml version="1.0" encoding="utf-8"***?>*

<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"**

**xmlns:tools="http://schemas.android.com/tools"**

**android:orientation="vertical"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**

**android:paddingBottom="@dimen/activity\_vertical\_margin"**

**android:paddingLeft="@dimen/activity\_horizontal\_margin"**

**android:paddingRight="@dimen/activity\_horizontal\_margin"**

**android:paddingTop="@dimen/activity\_vertical\_margin"**

**tools:context="com.example.ansan.myapplication.MainActivity"**>

<**Button**

**android:onClick="onSave"**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:text="내장 메모리에 파일 쓰기"**

**android:id="@+id/button"** />

<**Button**

**android:onClick="onPen"**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:text="내장 메모리에서 파일 읽기"**

**android:id="@+id/button2"** />

</**LinearLayout**>

**package** com.example.ansan.myapplication;

**import** android.content.Context;

**import** android.support.v7.app.AppCompatActivity;

**import** android.os.Bundle;

**import** android.view.View;

**import** android.widget.EditText;

**import** android.widget.Toast;

**import** java.io.FileInputStream;

**import** java.io.FileNotFoundException;

**import** java.io.FileOutputStream;

**import** java.io.IOException;

**public class** Main2Activity **extends** AppCompatActivity {

EditText **e1**;

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main2***);

**e1** = (EditText)findViewById(R.id.***editText***);

}

**public void** onsave(View v){

**try** {

FileOutputStream fo = openFileOutput(**"test2.txt"**, Context.***MODE\_WORLD\_WRITEABLE***);

String str = **e1**.getText().toString();

fo.write(str.getBytes());

fo.close();

Toast.*makeText*(getApplicationContext(),

**"저장성공"**,Toast.***LENGTH\_SHORT***).show();

} **catch** (FileNotFoundException e) {

*//e.printStackTrace();*

Toast.*makeText*(getApplicationContext(),

**"파일저장시 에러발생"**,Toast.***LENGTH\_SHORT***).show();

} **catch** (IOException e) {

*//e.printStackTrace();*

Toast.*makeText*(getApplicationContext(),

**"파일 쓰기시 에러발생"**,Toast.***LENGTH\_SHORT***).show();

}

}

**public void** onread(View v){

**try** {

FileInputStream fi = openFileInput(**"test2.txt"**);

**byte** arr[] = **new byte**[fi.available()];

fi.read(arr);

fi.close();

String str2 = **new** String(arr);

Toast.*makeText*(getApplicationContext(),

**"파일내용"**+str2 ,Toast.***LENGTH\_SHORT***).show();

} **catch** (FileNotFoundException e) {

*// e.printStackTrace();*

Toast.*makeText*(getApplicationContext(),

**"파일없음"**,Toast.***LENGTH\_SHORT***).show();

} **catch** (IOException e) {

e.printStackTrace();

}

}

}

*<?***xml version="1.0" encoding="utf-8"***?>*

<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"**

**android:orientation="vertical"**

**xmlns:tools="http://schemas.android.com/tools"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**

**android:paddingBottom="@dimen/activity\_vertical\_margin"**

**android:paddingLeft="@dimen/activity\_horizontal\_margin"**

**android:paddingRight="@dimen/activity\_horizontal\_margin"**

**android:paddingTop="@dimen/activity\_vertical\_margin"**

**tools:context="com.example.ansan.myapplication.Main2Activity"**>

<**EditText**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:id="@+id/editText"** />

<**Button**

**android:onClick="onsave"**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:text="저장"**

**android:id="@+id/button3"** />

<**Button**

**android:onClick="onread"**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:text="읽기"**

**android:id="@+id/button4"** />

</**LinearLayout**>

