

Android-er

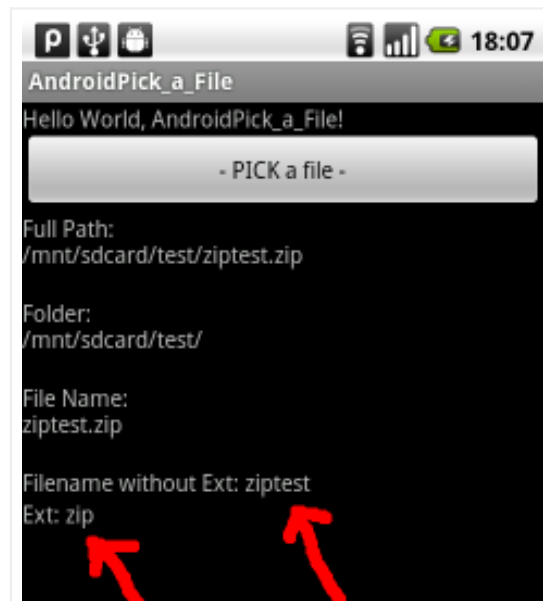
SUNDAY, APRIL 17, 2011

How to get file extension using java code

To get extension, we can use the following java code:

```
int dotposition= file.lastIndexOf(".");  
filename_Without_Ext = file.substring(0,dotposition);  
ext = file.substring(dotposition + 1, file.length());
```

Modify last exercise "[More for Pick a file using Intent.ACTION_GET_CONTENT](#)", a new class filename is implemented to get file extension and filename without extension.



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main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    >
    <TextView
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:text="@string/hello"
    />
    <Button
        android:id="@+id/buttonpick"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:text="- PICK a file -"
    />
    <TextView
        android:id="@+id/textfile"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
    />
    <TextView
        android:id="@+id/textfolder"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
```



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    />
<TextView
    android:id="@+id/textfilename"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    />
<TextView
    android:id="@+id/textfilename_withouttext"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    />
<TextView
    android:id="@+id/textfilename_ext"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    />
</LinearLayout>

```

main code

```

package com.exercise.AndroidPick_a_File;

import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;

public class AndroidPick_a_File extends Activity {

    TextView textFile, textFileName, textFolder;
    TextView textFileName_WithoutExt, textFileName_Ext;

    private static final int PICKFILE_RESULT_CODE = 1;

    /** Called when the activity is first created */

```

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```

/ Called when the activity is first created. /
@Override
public void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.main);

    Button buttonPick = (Button)findViewById(R.id.buttonpick);
    textFile = (TextView)findViewById(R.id.textfile);
    textFolder = (TextView)findViewById(R.id.textfolder);
    textFileName = (TextView)findViewById(R.id.textfilename);

    textFileName_WithoutExt = (TextView)findViewById(R.id.textfilenameam
e_withoutext);
    textFileName_Ext = (TextView)findViewById(R.id.textfilename_ext);

    buttonPick.setOnClickListener(new Button.OnClickListener(){

@Override
public void onClick(View arg0) {
    // TODO Auto-generated method stub

    Intent intent = new Intent(Intent.ACTION_GET_CONTENT);
        intent.setType("file/*");
        startActivityForResult(intent,PICKFILE_RESULT_CODE);

    });
}

@Override
protected void onActivityResult(int requestCode, int resultCode, Intent
data) {
    // TODO Auto-generated method stub
    switch(requestCode){
case PICKFILE_RESULT_CODE:
    if(resultCode==RESULT_OK){

        String FilePath = data.getData().getPath();
        String FileName = data.getData().getLastPathSegment();
        int lastPos = FilePath.length() - FileName.length();

```

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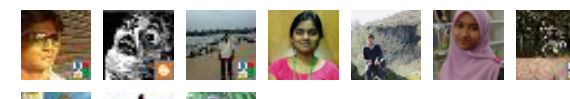
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```

String Folder = FilePath.substring(0, lastPos);

textFile.setText("Full Path: \n" + FilePath + "\n");
textFolder.setText("Folder: \n" + Folder + "\n");
textFileName.setText("File Name: \n" + FileName + "\n");

filename thisFile = new filename(FileName);
textFileName_WithoutExt.setText("Filename without Ext: " + thisFile.
getFilename_Without_Ext());
    textFileName_Ext.setText("Ext: " + thisFile.getExt());

}
break;

}
}

private class filename{

String filename_Without_Ext = "";
String ext = "";

filename(String file){
    int dotposition= file.lastIndexOf(".");
    filename_Without_Ext = file.substring(0,dotposition);
    ext = file.substring(dotposition + 1, file.length());
}

String getFilename_Without_Ext(){
    return filename_Without_Ext;
}

String getExt(){
    return ext;
}
}
}

```



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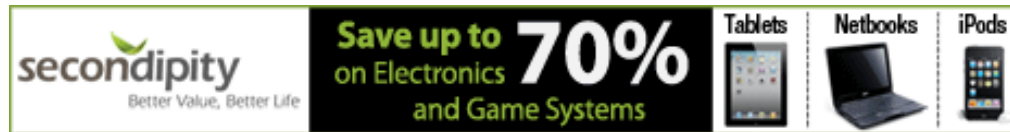
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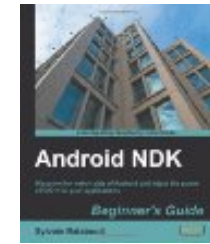
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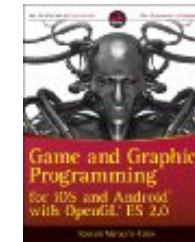
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