



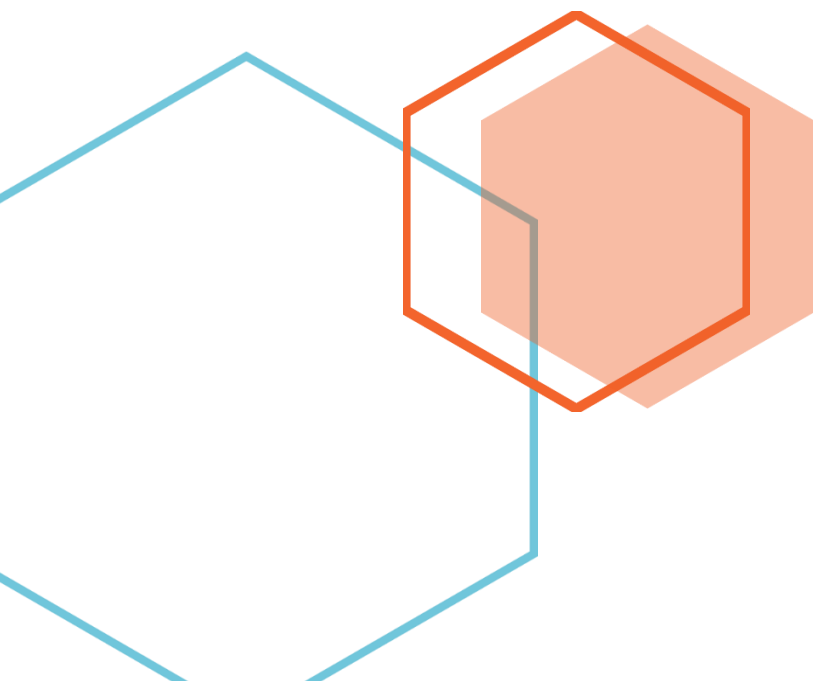
# [Compte Rendu]

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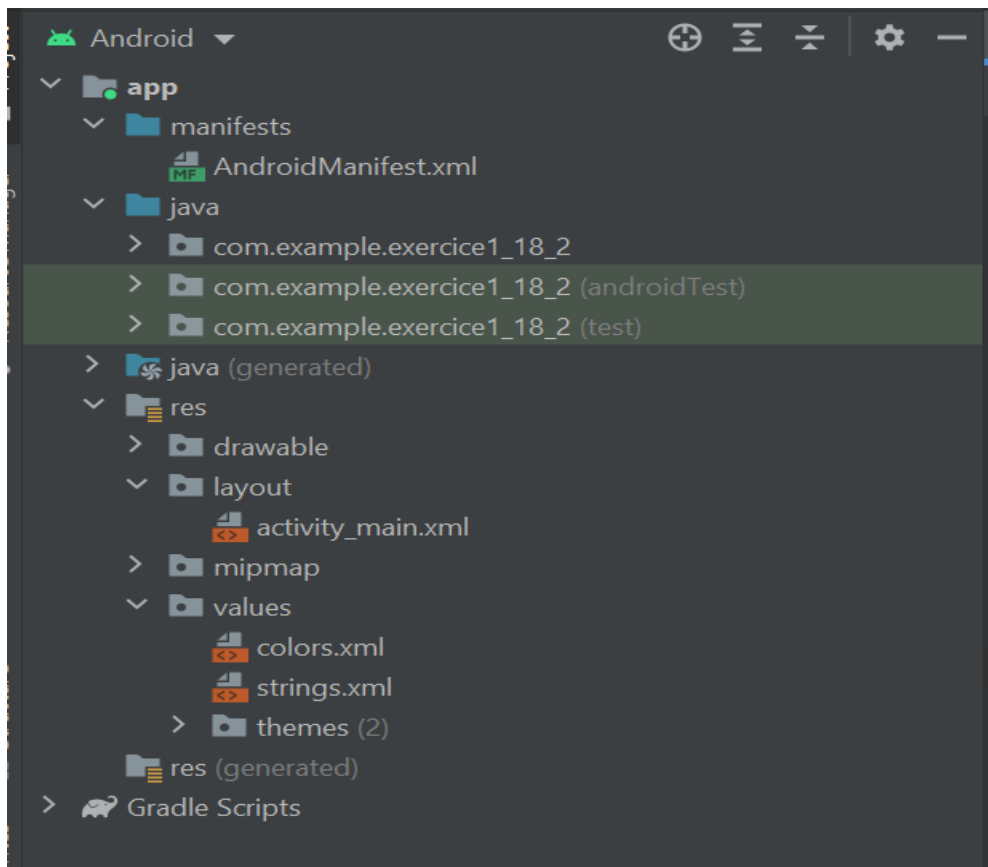
TP : Calculatrice

Développement Mobile et Systèmes Multi-Agents

L'Ecole Normale Supérieure de l'Enseignement Technique de  
Mohammedia (**ENSET**)



## Structure du projet :



## activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
    <LinearLayout
        android:layout_width="409dp"
        android:layout_height="729dp"
        android:orientation="vertical"
        tools:layout_editor_absoluteX="1dp"
        tools:layout_editor_absoluteY="1dp"
        tools:ignore="MissingConstraints">
        <TextView
            android:id="@+id/textView"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/str_info"
            android:visibility="visible" />
    </LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

```

<EditText
    android:id="@+id/editTextText0p"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName" />

<Button
    android:id="@+id/button"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:insetLeft="80dp"
    android:insetRight="80dp"
    android:text="Calculer" />

<ListView
    android:id="@+id/listview"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

</ListView>
</LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>

```

## MainActivity.java

```

package com.example.exercice1_18_2;

import ...

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Button button = findViewById(R.id.button);
        EditText textView = findViewById(R.id.editTextText0p);
        ListView listView = findViewById(R.id.listview);
        List list = new ArrayList();
        //list.add("Amina");
        //list.add("Fatima");
        ArrayAdapter arrayAdapter = new ArrayAdapter(context: this, android.R.layout.simple_expandable_list_item_1, list);
        listView.setAdapter(arrayAdapter);
        button.setOnClickListener(new View.OnClickListener() {

```

```
@Override
public void onClick(View view) {
    String name = textView.getText().toString();
    if (name.contains("-")){
        int a=Integer.valueOf(name.split(regex: "\\-")[0]);
        int b=Integer.valueOf(name.split(regex: "\\-")[1]);
        list.add(name+"="+String.valueOf(a-b));
    }
    if (name.contains("+")){
        int a=Integer.valueOf(name.split(regex: "\\+")[0]);
        int b=Integer.valueOf(name.split(regex: "\\+")[1]);
        list.add(name+"="+String.valueOf(a+b));
    }

    if (name.contains("*")){
        int a=Integer.valueOf(name.split(regex: "\\*")[0]);
        int b=Integer.valueOf(name.split(regex: "\\*")[1]);
        list.add(name+"="+String.valueOf(a*b));
    }
    if (name.contains("/")){
        int a=Integer.valueOf(name.split(regex: "\\\/")[0]);
        int b=Integer.valueOf(name.split(regex: "\\\/")[1]);
        list.add(name+"="+String.valueOf(a/b));
    }
}
```

## String.xml

```
<resources>
    <string name="app_name">Calculatrice</string>
    <string name="str_info">Veuillez saisir votre opération : </string>
</resources>
```

## Compte Rendu

