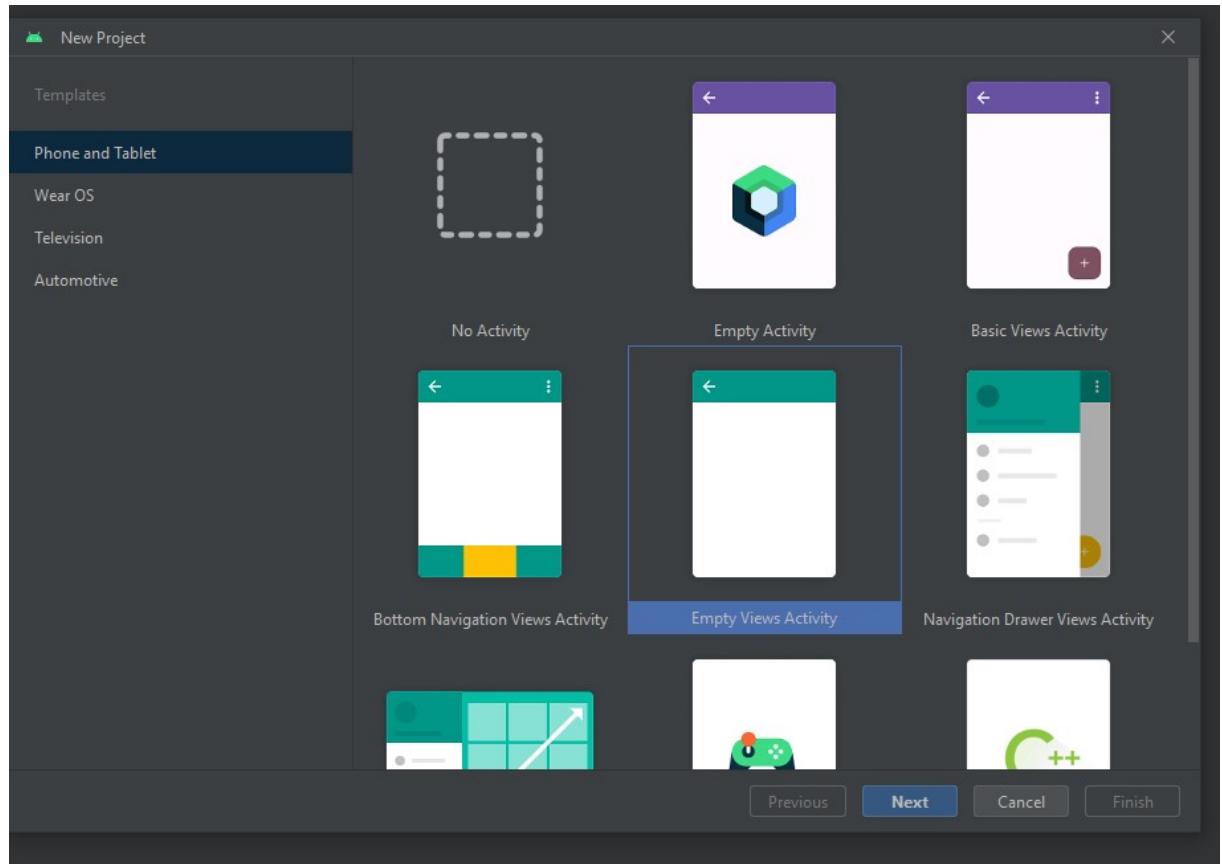


COMPTE RENDU TP1

1^{re} Etape :

- File → new project → empty views activity

**2^{ème} Etape :**

- Compilation & Exécution

New Project X

Empty Views Activity

Creates a new empty activity

Name

Package name

Save location

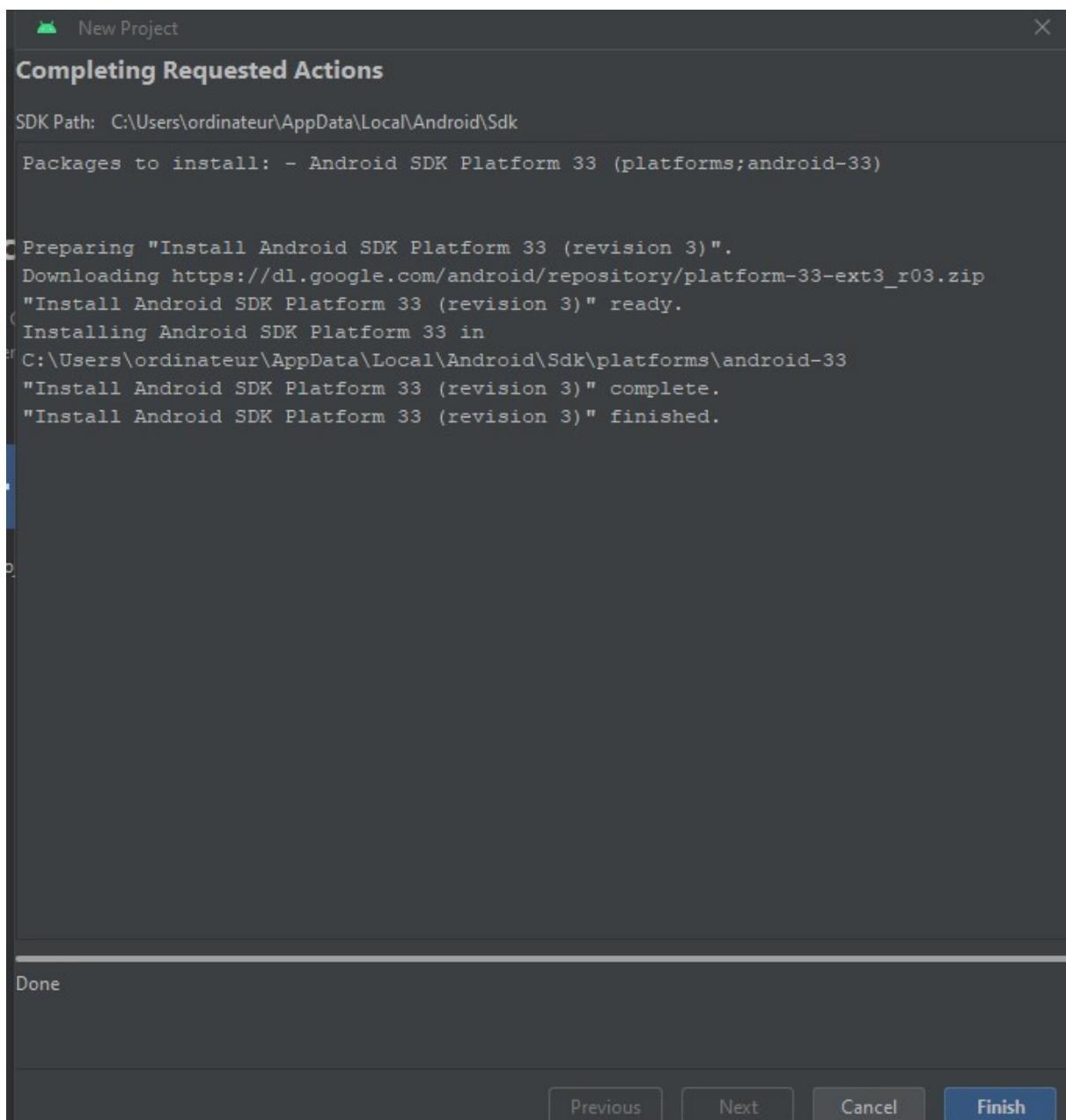
Language

Minimum SDK

i Your app will run on approximately **95,4%** of devices.
[Help me choose](#)

Build configuration language ?

Previous Next Cancel Finish



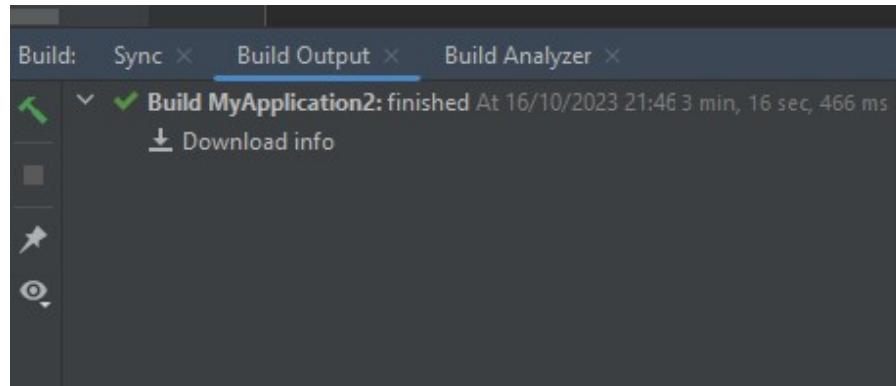
Au cours de la compilation :



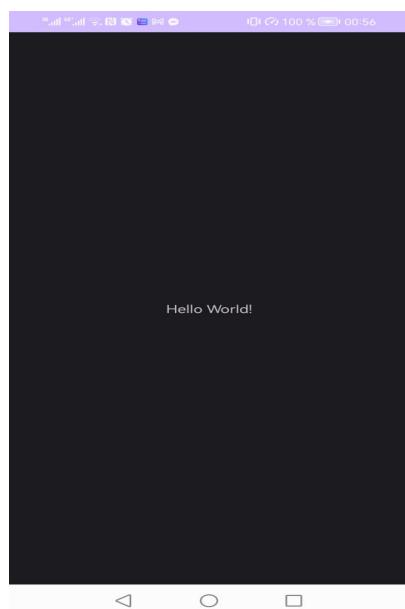
The screenshot shows the Android Studio interface. The top part displays the code for `MainActivity.java` in the `activity_main.xml` layout. The bottom part shows the `Build Output` tab, which displays the build log for `Build MyApplication2: Run tasks...`. The log shows the following tasks and their execution times:

- > Task :app:compressDebugAssets
- > Task :app:processDebugJavaRes NO-SOURCE
- > Task :app:processDebugManifestForPackage
- > Task :app:mergeDebugJavaResource
- > Task :app:desugarDebugFileDependencies
- > Task :app:checkDebugDuplicateClasses
- > Task :app:mergeDebugJniLibFolders
- > Task :app:mergeExtDexDebug

The total build time is 4 min, 34 sec.

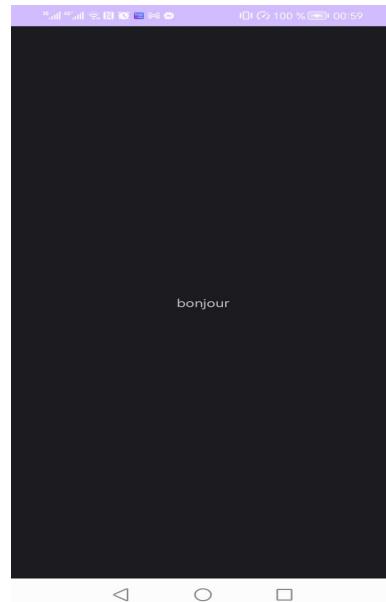


Execution :



⇒ 1/ Pour remplacer « hello world » Par « bonjour » il suffit de changer :

android:text=" hello world "Par android:text=" bonjour"



Pour obtenir l'interface de login : [voici les codes suivants](#) :

⇒ **Activity_main.xml :**

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:background="@drawable/bg">
    <TextView
        android:id="@+id/textViewSignIn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Sign in"
        android:textSize="24sp"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="32dp"
        android:textColor="@color/white"
        android:textStyle="bold"
        />
    <EditText
        android:id="@+id/editTextUsername"
        android:layout_width="match_parent"
        android:layout_height="48dp"
        android:layout_marginStart="32dp"
        android:layout_marginTop="120dp"
        android:layout_marginEnd="32dp"
        android:hint="username"
        android:textColor="@color/background_color"
        android:textStyle="bold"/>
    <EditText
        android:id="@+id/editTextPassword"
        android:layout_width="match_parent"
        android:layout_height="48dp"
        android:layout_marginStart="32dp"
        android:layout_marginEnd="32dp"
        android:hint="password"
        android:textColor="@color/background_color"
        android:textStyle="bold"/>
</RelativeLayout>
```

```

        android:layout_height="48dp"
        android:layout_below="@+id/editTextUsername"
        android:layout_marginStart="32dp"
        android:layout_marginTop="27dp"
        android:layout_marginEnd="32dp"
        android:hint="password"
        android:textColor="@color/background_color"
        android:textStyle="bold"/>
    <com.google.android.material.button.MaterialButton
        android:id="@+id/buttonLogin"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/editTextPassword"
        android:layout_marginStart="32dp"
        android:layout_marginTop="55dp"
        android:layout_marginEnd="32dp"
        android:text="Login"
        android:textStyle="bold"
        app:layout_constraintWidth_max="320dp"
        android:textColor="@color/white"/>
</RelativeLayout>

```

⇒ **MainActivity.java :**

```

package com.example.tpl;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}

```

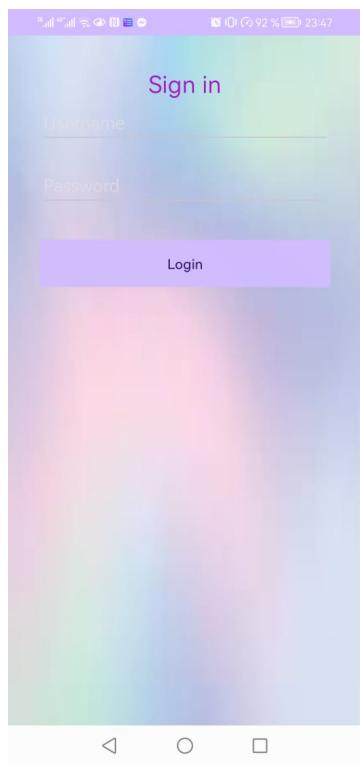
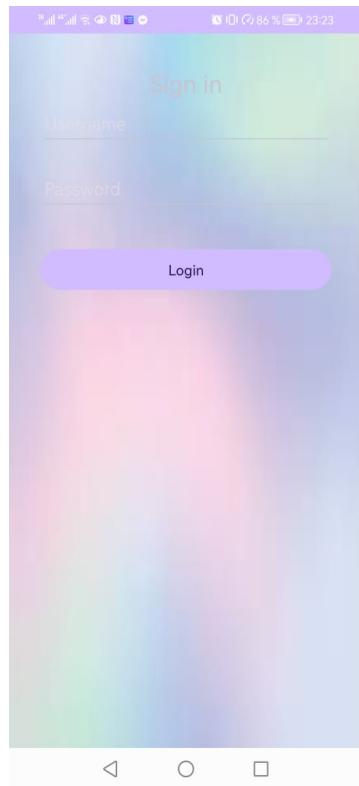
⇒ **Colors.xml**

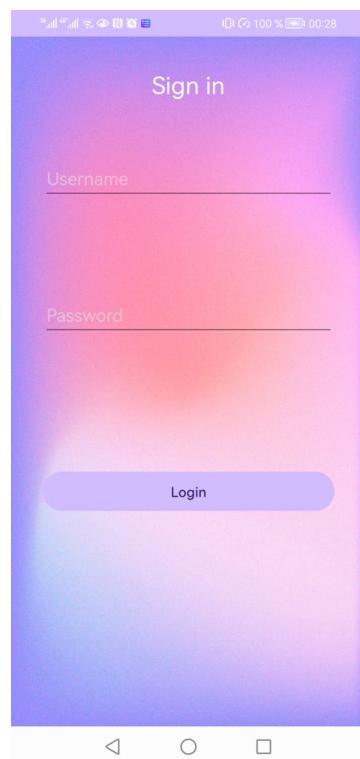
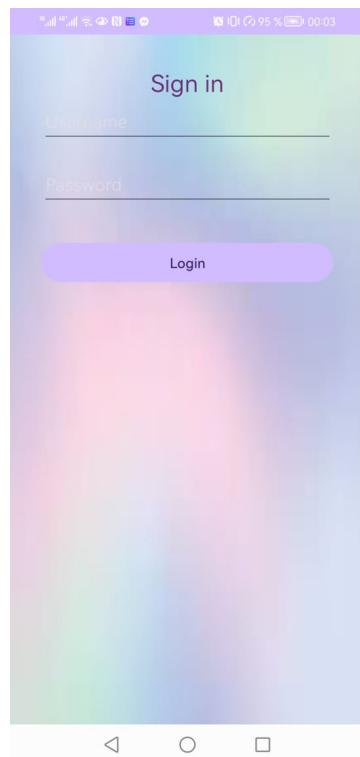
```

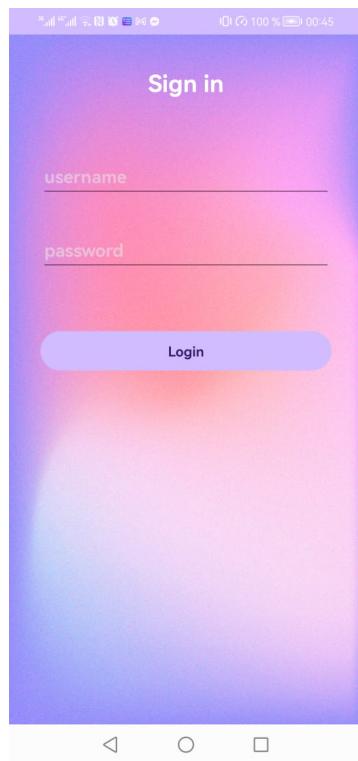
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="black">#FF000000</color>
    <color name="white">#FFFFFF</color>
    <color name="background_color">#76698B</color>
    <color name="button_text_color">#A81FBF</color>
    <color name="button_color">#F56A2875</color>
</resources>

```

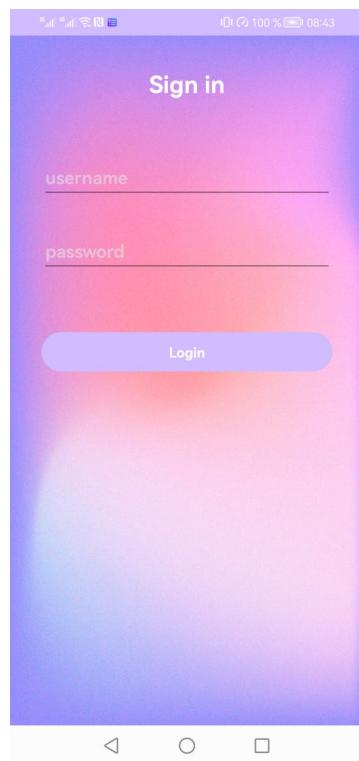
Voici les interfaces qui j'ai obtenus et que j'ai essayé de les régler comme il est demandé ..







→ voici la dernière version :



- à chaque fois j'ai essayé de modifier le margin , la couleur ... et le code que j'ai déjà écrit correspond à cette dernière version

COMPTE RENDU TP2

Exercice1 :

1) Dans le fichier strings.xml :

```
<resources>
    <string name="app_name">TP2</string>
    <string name="row_one">row one.</string>
    <string name="row_two">row two.</string>
    <string name="row_three">row three.</string>
    <string name="row_four">row four.</string>
</resources>
```

2) Dans le fichier colors.xml :

```
<resources>
    <color name="red">#aa0000</color>
    <color name="green">#00aa00</color>
    <color name="blue">#0000aa</color>
    <color name="yellow">#aaaa00</color>
    <color name="white">#FFFFFF</color>
    <color name="black">#000000</color>
</resources>
```

3) Dans le fichier activity-main.xml :

```
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/white" > <!-- Utilisez la couleur bleue
définie -->

    <!-- LinearLayout horizontal pour les couleurs -->

    <LinearLayout
        android:id="@+id/your_color_linearlayout_id"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">
        <FrameLayout
            android:layout_width="0dp"
            android:layout_height="250dp"
            android:layout_weight="1">
            <View
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:background="@color/red" />
            <TextView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_gravity="top|left"
                android:text="Rouge"
                android:textSize="18sp"
                android:textColor="@color/black" />
        
```

```
</FrameLayout>

<!-- Répétez le schéma ci-dessus pour les autres couleurs -->
<!-- Couleur verte -->
<FrameLayout
    android:layout_width="0dp"
    android:layout_height="250dp"
    android:layout_weight="1">
    <View
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="@color/green" />
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="top|left"
        android:text="Vert"
        android:textSize="18sp"
        android:textColor="@color/black" />
</FrameLayout>

<!-- Répétez le schéma ci-dessus pour les autres couleurs -->
<!-- Couleur bleue -->
<FrameLayout
    android:layout_width="0dp"
    android:layout_height="250dp"
    android:layout_weight="1">
    <View
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="@color/blue" />
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="top|left"
        android:text="Bleu"
        android:textSize="18sp"
        android:textColor="@color/black" />
</FrameLayout>

<!-- Répétez le schéma ci-dessus pour les autres couleurs -->
<!-- Couleur jaune -->
<FrameLayout
    android:layout_width="0dp"
    android:layout_height="250dp"
    android:layout_weight="1">
    <View
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="@color/yellow" />
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="top|left"
        android:text="Jaune"
        android:textSize="18sp"
        android:textColor="@color/black" />
</FrameLayout>

</LinearLayout>
<LinearLayout
```

```

        android:id="@+id/your_rows_linearlayout_id"
        android:textColor="@color/white"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical"
        android:layout_below="@id/your_color_linearlayout_id"
        >
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/row_one"
        android:textSize="24sp"
        android:textColor="@color/black"
        android:textStyle="bold"
        android:layout_marginTop="65dp"/>
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/row_two"
        android:textSize="24sp"
        android:textColor="@color/black"
        android:textStyle="bold"
        android:layout_marginTop="65dp"/>
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/row_three"
        android:textSize="24sp"
        android:textColor="@color/black"
        android:textStyle="bold"
        android:layout_marginTop="65dp"/>
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/row_four"
        android:textSize="24sp"
        android:textColor="@color/black"
        android:textStyle="bold"
        android:layout_marginTop="65dp"/>
</LinearLayout>
</RelativeLayout>

```

■ Aucune modification effectuée sur le fichier **MainActivity.java**

```

■ package com.example.tp2;

import androidx.appcompat.app.AppCompatActivity;

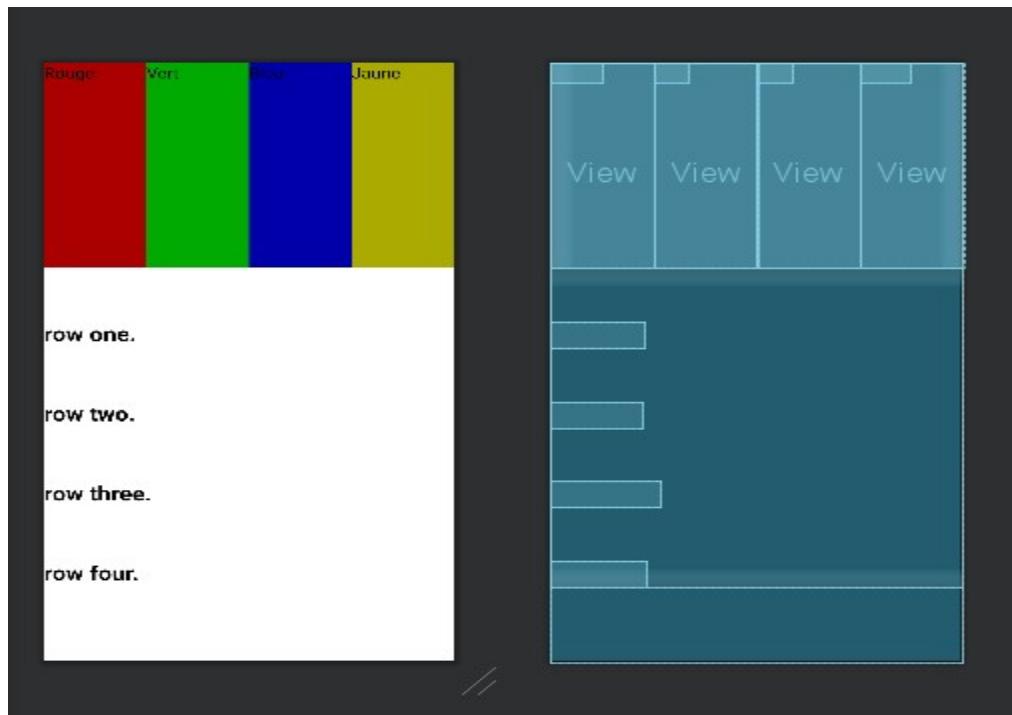
import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

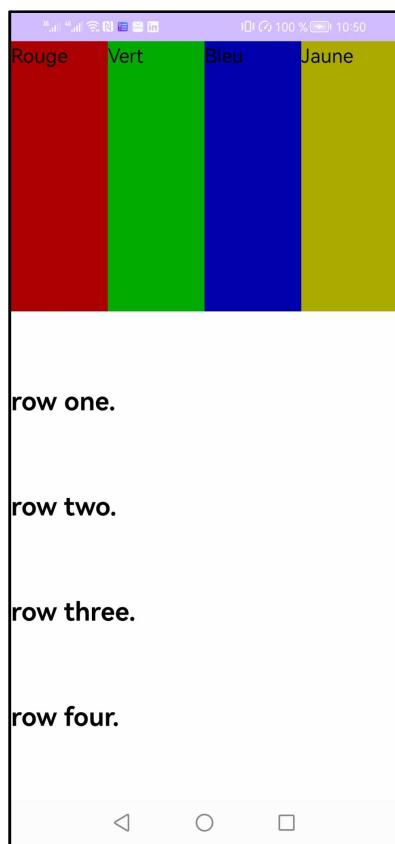
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}

```

➔ Voici l'interface que j'ai obtenue

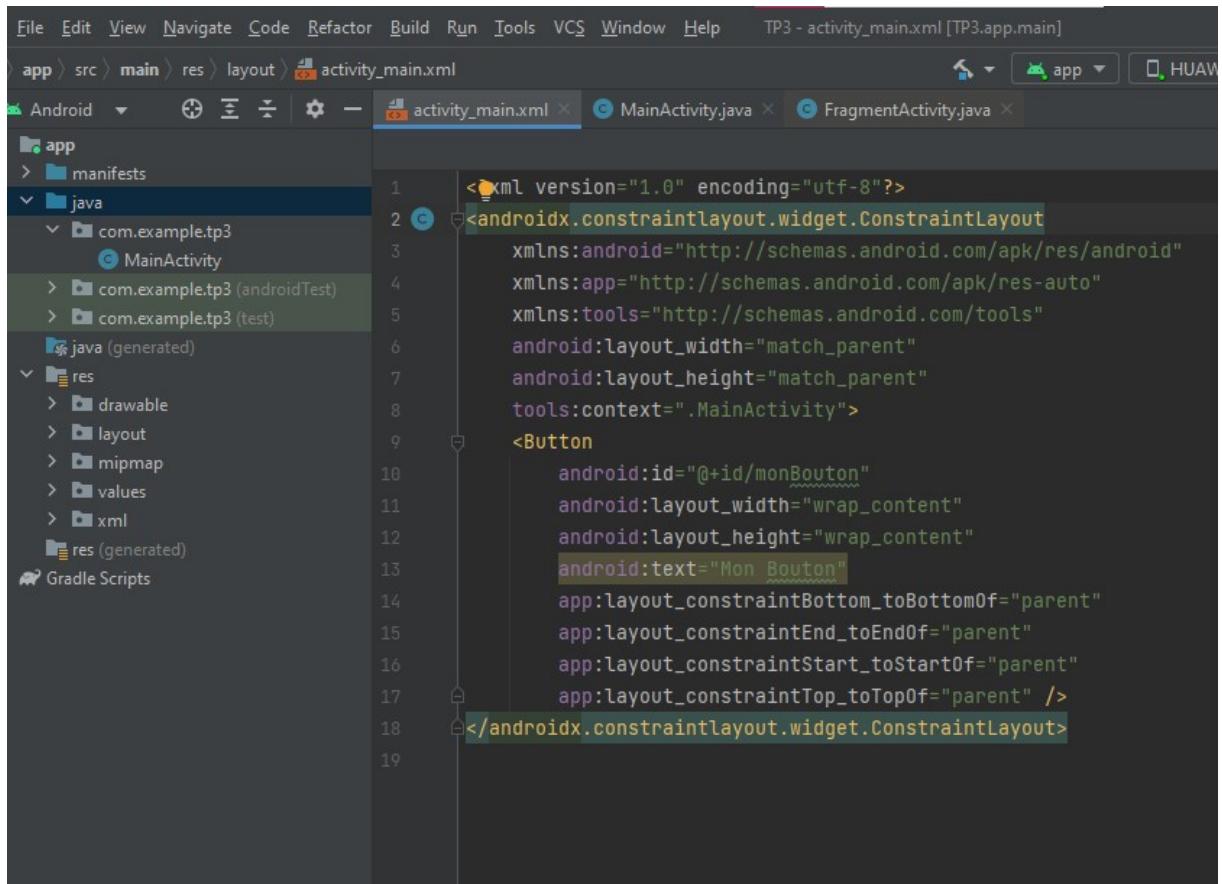


➔ Exécution sur mon téléphone :



Compte Rendu Tp3 « développement mobile »

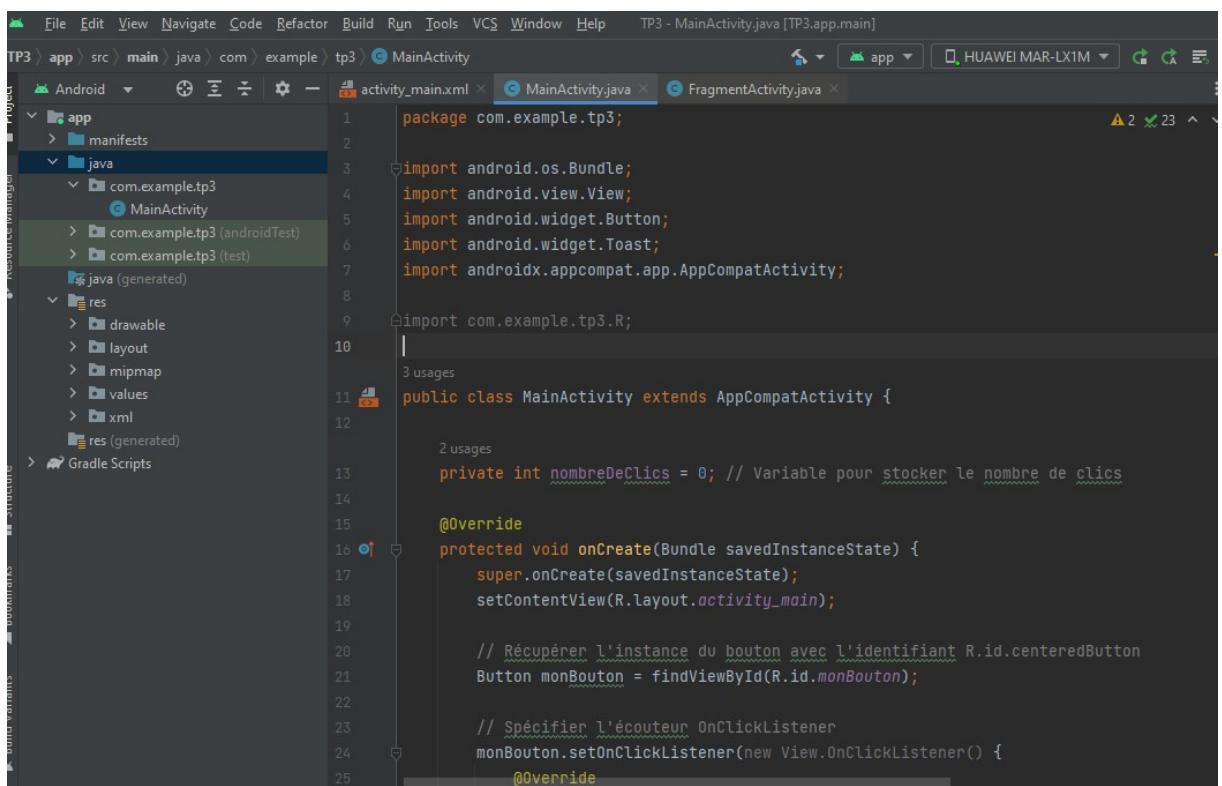
exercice 1 :



```

<?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">
    <Button
        android:id="@+id/monBouton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Mon Bouton"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>

```



```

package com.example.tp3;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;

import com.example.tp3.R;

public class MainActivity extends AppCompatActivity {

    private int nombreDeClics = 0; // Variable pour stocker le nombre de clics

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        // Récupérer l'instance du bouton avec l'identifiant R.id.centeredButton
        Button monBouton = findViewById(R.id.monBouton);

        // Spécifier l'écouteur OnClickListener
        monBouton.setOnClickListener(new View.OnClickListener() {
            @Override
        });
    }
}

```

/ example > tp3 > MainActivity

activity_main.xml MainActivity.java FragmentActivity.java

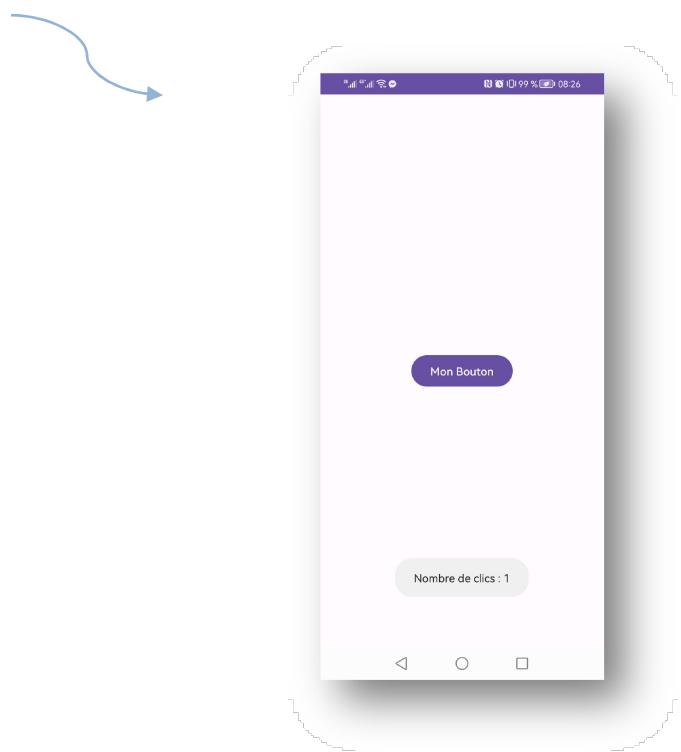
```
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);

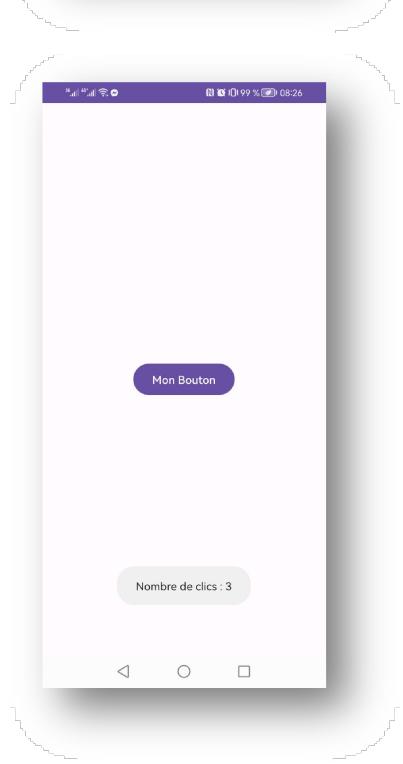
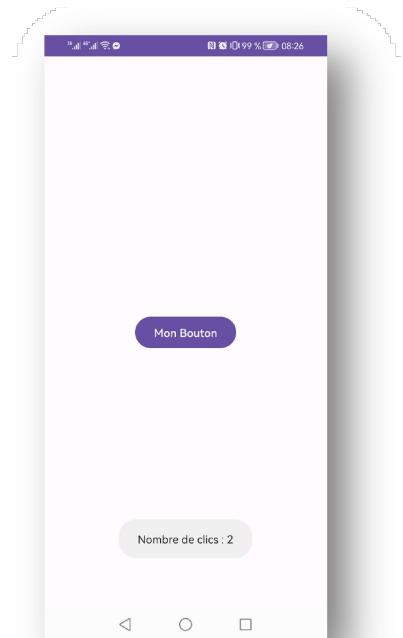
    // Récupérer l'instance du bouton avec l'identifiant R.id.centeredButton
    Button monBouton = findViewById(R.id.monBouton);

    // Spécifier l'écouteur OnClickListener
    monBouton.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            // Mettre à jour le nombre de clics
            nombreDeClics++;

            // Afficher un message avec un Toast contenant le nombre de clics
            Toast.makeText(context: MainActivity.this, text: "Nombre de clics " +
                ": " + nombreDeClics, Toast.LENGTH_SHORT).show();
        }
    });
}
```

L'exécution du code :







exercice 2 :

p3ex2 > app > src > main > res > values > equipes.xml

```
<?xml version="1.0" encoding="utf-8"?>
<!-- res/values/equipes.xml -->
<resources>
    <string-array name="equipes_array">
        <item>Arsenal (ENG)</item>
        <item>Schalke (GER)</item>
        <item>Real Madrid (ESP)</item>
        <item>AC Milan (ITA)</item>
        <item>FC Barcelone (ESP)</item>
        <item>Manchester United (ENG)</item>
        <item>Chelsea (ENG)</item>
        <item>Paris-SG (FRA)</item>
        <item>Bayern Munich (GER)</item>
    </string-array>
</resources>
```

ut > activity_main.xml

```
<!-- res/layout/activity_main.xml -->
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:gravity="center" >

    <EditText
        android:id="@+id/pays"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:hint="Entrer un pays"
        android:layout_marginBottom="16dp"
        android:layout_marginTop="40dp"/>

    <Button
        android:id="@+id/rechercher"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Rechercher"
        android:layout_marginBottom="20dp"
        android:layout_marginTop="40dp"
        android:gravity="center"/>

    <TextView
        android:layout_width="match_parent"
```

```
main.xml
[MainActivity.java]
[activity_main.xml]
[equipes.xml]

21     android:layout_marginBottom="20dp"
22     android:layout_marginTop="40dp"
23     android:gravity="center"/>
24 
25     <TextView
26         android:layout_width="match_parent"
27         android:layout_height="wrap_content"
28         android:text="Équipes"
29         android:textColor="#00FF00"
30         android:textSize="20sp"
31         android:paddingTop="16dp"
32         android:paddingBottom="10dp"
33         android:layout_marginTop="40dp"/>
34 
35     <EditText
36         android:id="@+id/equipes"
37         android:layout_width="fill_parent"
38         android:layout_height="fill_parent"
39         android:layout_marginTop="64dp"
40         android:background="#FFFF00"
41         android:gravity="center"
42         android:inputType="textMultiLine"
43         android:lines="5"
44         android:textColor="#000000"/>
45 
46 </LinearLayout>
47 <Button
```

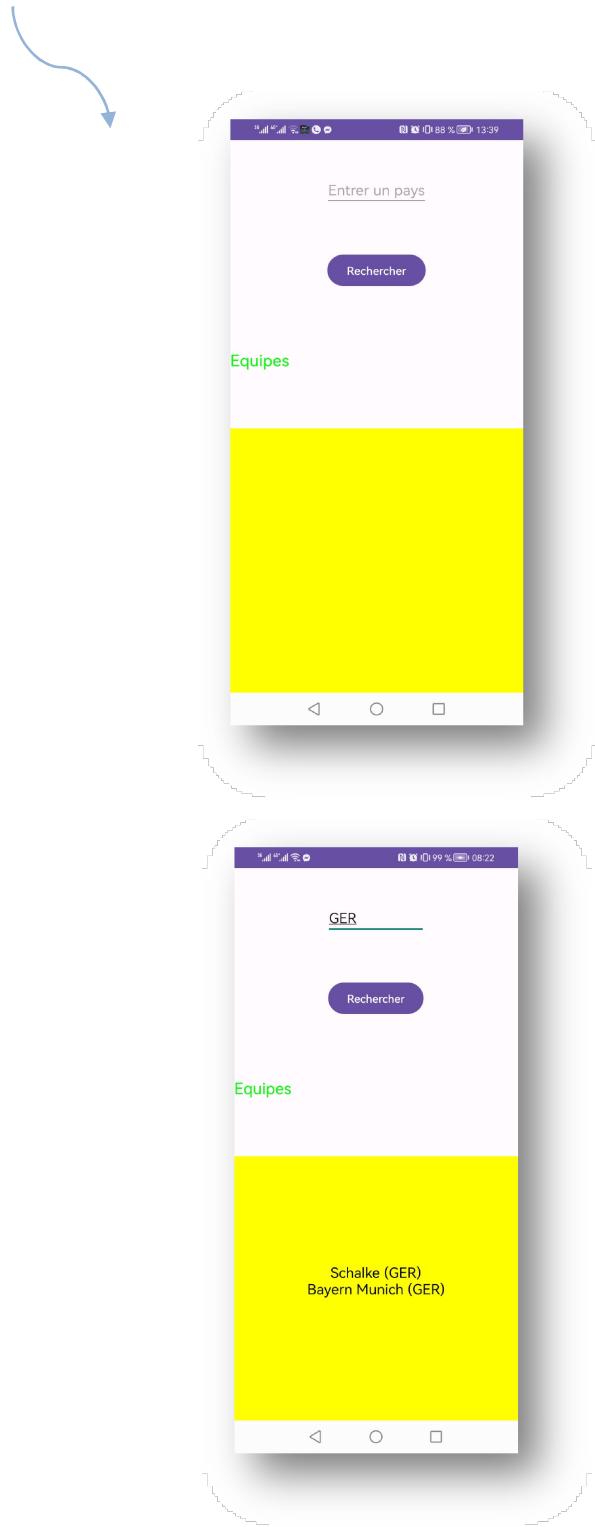
```
tp3ex2 > MainActivity > paysEditText
[MainActivity.java]
[activity_main.xml]
[equipes.xml]

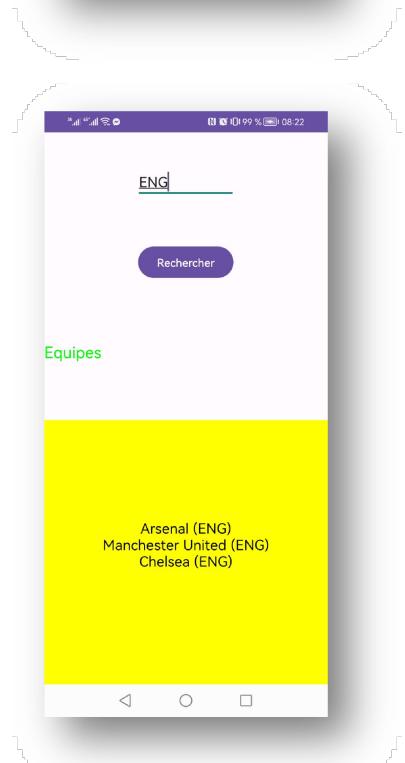
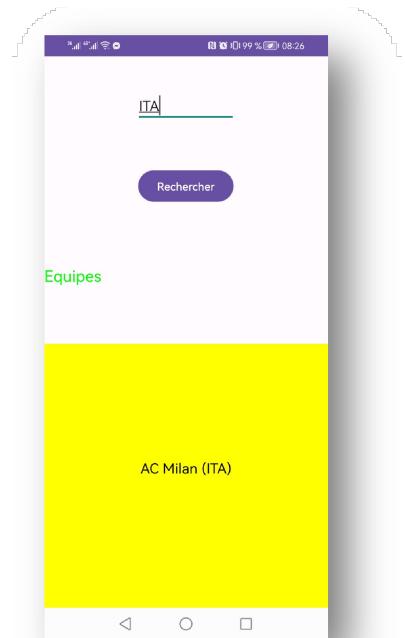
1 package com.example.tp3ex2;
2
3 import android.os.Bundle;
4 import android.view.View;
5 import android.widget.Button;
6 import android.widget.EditText;
7 import android.widget.TextView;
8 import androidx.appcompat.app.AppCompatActivity;
9
10
11 public class MainActivity extends AppCompatActivity {
12
13     private EditText paysEditText;
14
15     @Override
16     protected void onCreate(Bundle savedInstanceState) {
17         super.onCreate(savedInstanceState);
18         setContentView(R.layout.activity_main);
19
20         paysEditText = findViewById(R.id.pays);
21         equipesEditText = findViewById(R.id.equipes);
22         Button rechercherButton = findViewById(R.id.rechercher);
23
24         rechercherButton.setOnClickListener(new View.OnClickListener() {
```

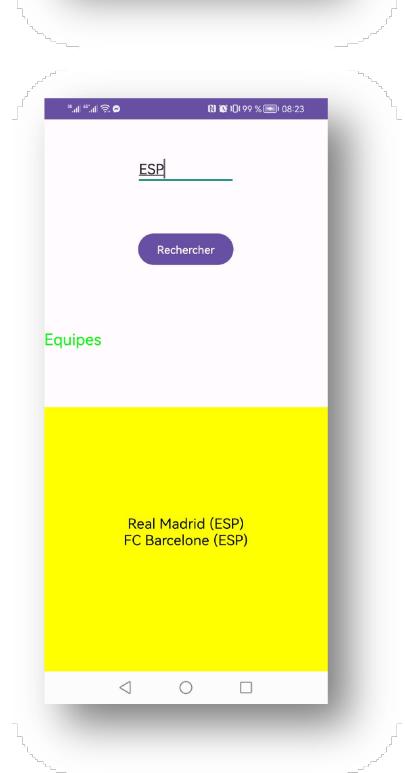
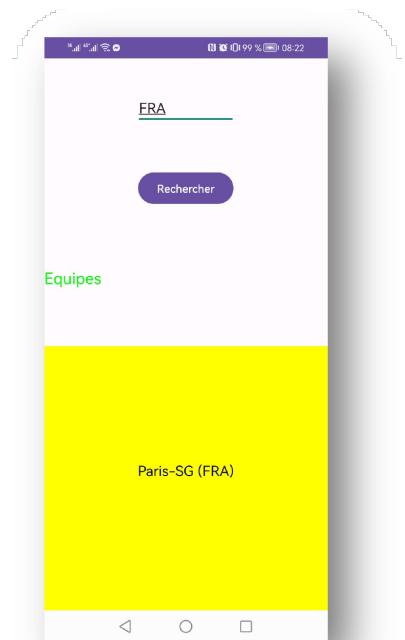
```
equipes.xml
[activity_main.xml]
[MainActivity.java]
[MainActivity.java]

1 rechercherButton.setOnClickListener(new View.OnClickListener() {
2
3     @Override
4     public void onClick(View v) {
5         rechercherEquipes();
6     }
7 });
8
9
10
11 private void rechercherEquipes() {
12     String paysRecherche = paysEditText.getText().toString().trim();
13     String[] equipes = getResources().getStringArray(R.array.equipes_array);
14
15     StringBuilder equipesTrouvees = new StringBuilder();
16
17     for (String equipe : equipes) {
18         if (equipe.contains("(" + paysRecherche + ")")) {
19             equipesTrouvees.append(equipe).append("\n");
20         }
21     }
22
23     if (equipesTrouvees.length() > 0) {
24         equipesEditText.setText(equipesTrouvees.toString());
25     } else {
26         equipesEditText.setText("Aucune équipe trouvée pour le pays spécifié.");
27     }
28 }
```

L'exécution du code :







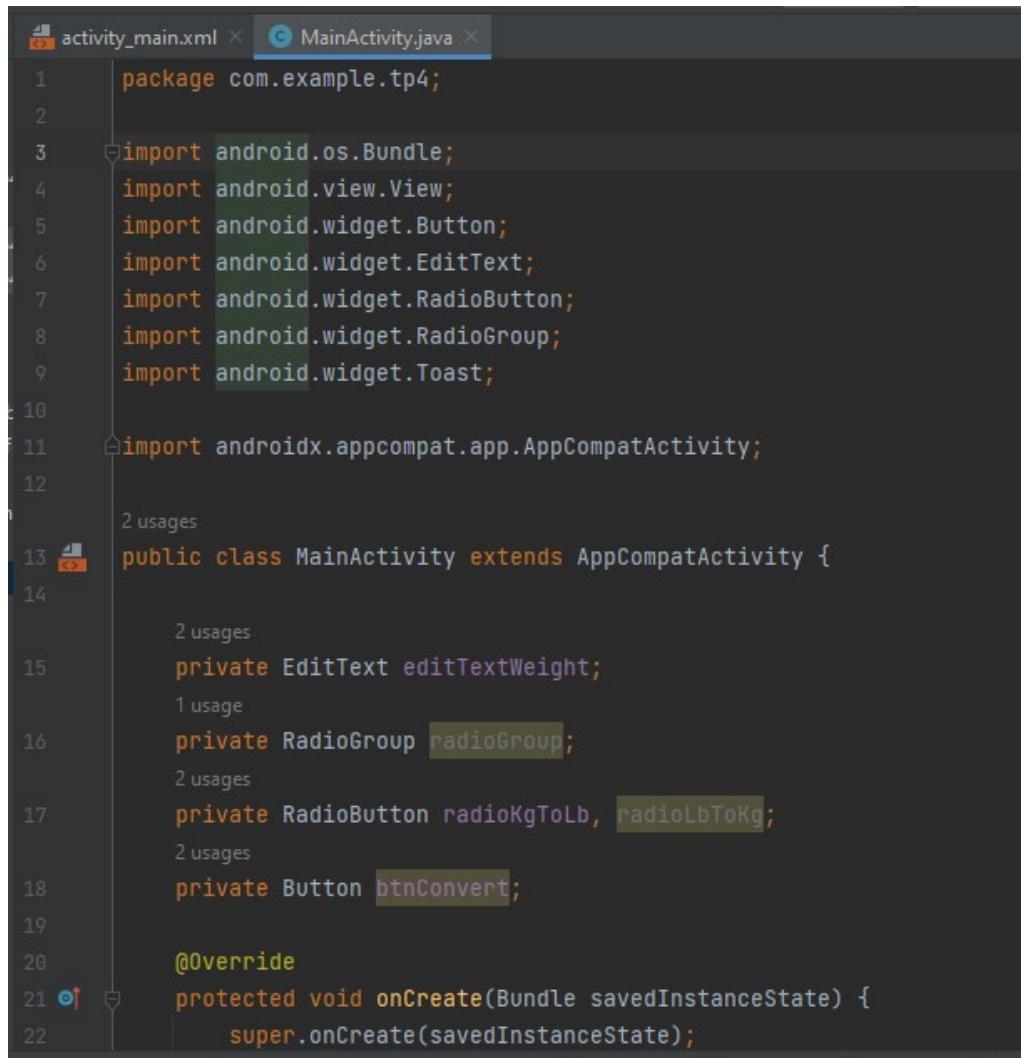


Compte Rendu « TP2 »

Mosbahi Wided GLSI3 groupe 4

Exercice1 :

➔ MainActivity.java :



The screenshot shows the Android Studio interface with the MainActivity.java file open. The code is as follows:

```
activity_main.xml × MainActivity.java ×
1 package com.example.tp4;
2
3 import android.os.Bundle;
4 import android.view.View;
5 import android.widget.Button;
6 import android.widget.EditText;
7 import android.widget.RadioButton;
8 import android.widget.RadioGroup;
9 import android.widget.Toast;
10
11 import androidx.appcompat.app.AppCompatActivity;
12
13 public class MainActivity extends AppCompatActivity {
14
15     private EditText editTextWeight;
16     private RadioGroup radioGroup;
17     private RadioButton radioKgToLb, radioLbToKg;
18     private Button btnConvert;
19
20     @Override
21     protected void onCreate(Bundle savedInstanceState) {
22         super.onCreate(savedInstanceState);
```

```
com > example > tp4 > MainActivity > onCreate
```

activity_main.xml MainActivity.java

```
21     protected void onCreate(Bundle savedInstanceState) {  
22         super.onCreate(savedInstanceState);  
23         setContentView(R.layout.activity_main);  
24     }  
25     editTextWeight = findViewById(R.id.editTextWeight);  
26     radioGroup = findViewById(R.id.radioGroup);  
27     radioKgToLb = findViewById(R.id.radioKgToLb);  
28     radioLbToKg = findViewById(R.id.radioLbToKg);  
29     btnConvert = findViewById(R.id.btnConvert);  
30  
31     btnConvert.setOnClickListener(new View.OnClickListener() {  
32         @Override  
33         public void onClick(View view) { convertWeight(); }  
34     });  
35 }  
36 1 usage  
37  
38     private void convertWeight() {  
39         try {  
40             double weightInput = Double.parseDouble(editTextWeight.getText().toString());  
41  
42             if (radioKgToLb.isChecked()) {  
43                 // Convertir de Kg à lb  
44                 double weightInLb = weightInput * 2.2;  
45                 displayResult(weightInLb, unit: "lb");  
46             } else {  
47                 // Convertir de lb à Kg  
48                 double weightInKg = weightInput / 2.2;  
49             }  
50         } catch (NumberFormatException e) {  
51             Toast.makeText(context: this, text: "Veuillez entrer un poids valide.", Toast.LENGTH_SHORT).show();  
52         }  
53     }  
54  
55 2 usages  
56     private void displayResult(double result, String unit) {  
57         String message = String.format("%.2f %s", result, unit);  
58         Toast.makeText(context: this, message, Toast.LENGTH_SHORT).show();  
59     }  
60 }
```

```
com > example > tp4 > MainActivity > onCreate
```

activity_main.xml MainActivity.java

```
2     if (radioKgToLb.isChecked()) {  
3         // Convertir de Kg à lb  
4         double weightInLb = weightInput * 2.2;  
5         displayResult(weightInLb, unit: "lb");  
6     } else {  
7         // Convertir de lb à Kg  
8         double weightInKg = weightInput / 2.2;  
9         displayResult(weightInKg, unit: "Kg");  
10    }  
11  
12    } catch (NumberFormatException e) {  
13        Toast.makeText(context: this, text: "Veuillez entrer un poids valide.", Toast.LENGTH_SHORT).show();  
14    }  
15 }  
16  
17 2 usages  
18     private void displayResult(double result, String unit) {  
19         String message = String.format("%.2f %s", result, unit);  
20         Toast.makeText(context: this, message, Toast.LENGTH_SHORT).show();  
21     }  
22 }
```

→ activity_main.xml :

The screenshot shows the Android Studio interface with the XML editor open. The title bar has tabs for 'activity_main.xml' and 'MainActivity.java'. The bottom navigation bar includes 'File', 'Logcat', 'App Quality Insights', 'TODO', 'Problems', 'Terminal', 'Services', and 'App Inspection'. The toolbar on the right includes icons for 'File', 'Edit', 'Run', 'Tools', 'Android', 'View', and 'Pixel_3a_API_3'. The XML code is as follows:

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
    <TextView
        android:textStyle="bold"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:text="calcul"
        android:layout_marginTop="30dp"
        android:layout_marginLeft="10dp"
        android:textSize="20dp">
    </TextView>
    <EditText
        android:id="@+id/editTextWeight"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Entrez le poids en kg"
        android:inputType="numberDecimal"
        android:layout_marginTop="100dp"/>

```

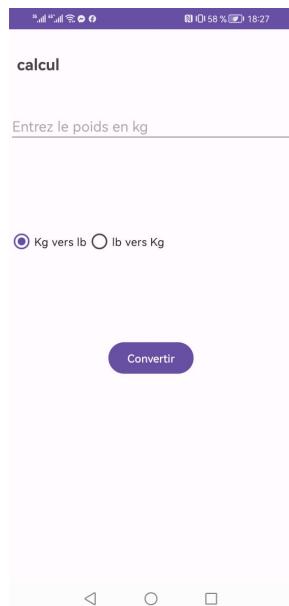
The screenshot shows the XML code for 'activity_main.xml' with a specific section highlighted. The code includes a RadioGroup and two RadioButtons. The RadioGroup section is highlighted with a yellow background.

```
        android:inputType="numberDecimal"
        android:layout_marginTop="100dp"/>

    <RadioGroup
        android:id="@+id/radioGroup"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/editTextWeight"
        android:orientation="horizontal"
        android:layout_marginTop="100dp">
        <RadioButton
            android:id="@+id/radioKgToLb"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Kg vers lb"
            android:checked="true"/>
        <RadioButton
            android:id="@+id/radioLbToKg"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="lb vers Kg"/>
    </RadioGroup>
```

```
<Button  
    android:id="@+id/btnConvert"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Convertir"  
    android:layout_below="@+id/radioGroup"  
    android:layout_centerHorizontal="true"  
    android:layout_marginTop="100dp"/>  
  
</RelativeLayout>
```

Exécution :



62 % 18:12

calcul

100

Kg vers lb lb vers Kg

Convertir

1	2	3	()	,
4	5	6	+	- ;
7	8	220,00 lb	/	N <input type="button" value="x"/>
*	0	#	.	<input type="button" value="←"/>
<input type="button" value="▼"/> <input type="button" value="○"/> <input type="button" value="□"/> <input type="button" value="≡"/>				

61 % 18:14

calcul

220

Kg vers lb lb vers Kg

Convertir

1	2	3	()	,
4	5	6	+	- ;
7	8	100,00 Kg	/	N <input type="button" value="x"/>
*	0	#	.	<input type="button" value="←"/>
<input type="button" value="▼"/> <input type="button" value="○"/> <input type="button" value="□"/> <input type="button" value="≡"/>				

61 % 18:14

calcul

1100

Kg vers lb lb vers Kg

Convertir

1	2	3	()	,
4	5	6	+	- ;
7	8	500,00 Kg	/	N <input type="button" value="x"/>
*	0	#	.	<input type="button" value="←"/>
<input type="button" value="▼"/> <input type="button" value="○"/> <input type="button" value="□"/> <input type="button" value="≡"/>				

62 % 18:12

calcul

500

Kg vers lb lb vers Kg

Convertir

1	2	3	()	,
4	5	6	- ;	
7	8	1100,00 lb	/ N	⌫
*	0	#		↙
▼ ○ □ ☰				

61 % 18:12

calcul

353

Kg vers lb lb vers Kg

Convertir

1	2	3	()	,
4	5	6	- ;	
7	8	776,60 lb	/ N	⌫
*	0	#		↙
▼ ○ □ ☰				

61 % 18:14

calcul

776.60

Kg vers lb lb vers Kg

Convertir

1	2	3	()	,
4	5	6	- ;	
7	8	353,00 Kg	/ N	⌫
*	0	#		↙
▼ ○ □ ☰				

Exercice 2 :

➔ **MainActivity.java**

The screenshot shows the Android Studio interface with the following details:

- Project Bar:** Shows "MainActivity" as the active project.
- Toolbars:** Includes "app" dropdown, "Pixel_3a_API_34_extension_level_7_x86" device, and navigation icons.
- Editor Tab:** "activity_main.xml" (inactive), "MainActivity.java" (active), and "arrays.xml" (inactive).
- Code Editor:** Displays the Java code for MainActivity.java. The code includes imports for various Android widgets and the AppCompatActivity class. It defines several private fields: editTextNumber1, editTextNumber2, spinnerOperation, btnCalculate, and textViewResult. The onCreate method is overridden.
- Annotations:** Hovering over the "btnCalculate" field shows a tooltip indicating it has 5 usages.
- Bottom Navigation:** Includes tabs for "Lib Insights", "TODO", "Problems", "Terminal", "Services", and "App Inspection".

```
1 package com.example.tp4_ex2;
2
3 import android.os.Bundle;
4 import android.view.View;
5 import android.widget.AdapterView;
6 import android.widget.ArrayAdapter;
7 import android.widget.Button;
8 import android.widget.EditText;
9 import android.widget.Spinner;
10 import android.widget.TextView;
11
12 import androidx.appcompat.app.AppCompatActivity;
13
14 public class MainActivity extends AppCompatActivity {
15
16     private EditText editTextNumber1, editTextNumber2;
17     private Spinner spinnerOperation;
18     private Button btnCalculate;
19     private TextView textViewResult;
20
21     @Override
22     protected void onCreate(Bundle savedInstanceState) {
```

```
 MainActivity
activity_main.xml  MainActivity.java  arrays.xml

20
21     @Override
22     protected void onCreate(Bundle savedInstanceState) {
23         super.onCreate(savedInstanceState);
24         setContentView(R.layout.activity_main);
25
26         editTextNumber1 = findViewById(R.id.editTextNumber1);
27         editTextNumber2 = findViewById(R.id.editTextNumber2);
28         spinnerOperation = findViewById(R.id.spinnerOperation);
29         btnCalculate = findViewById(R.id.btnCalculate);
30         textViewResult = findViewById(R.id.textViewResult);
31
32         // Remplir la liste déroulante avec les opérations
33         ArrayAdapter<CharSequence> adapter = ArrayAdapter.createFromResource(
34             context: this, R.array.operations_array, android.R.layout.simple_spinner_item);
35         adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
36         spinnerOperation.setAdapter(adapter);
37
38         // Définir le gestionnaire d'événements pour le bouton
39         btnCalculate.setOnClickListener(new View.OnClickListener() {
40             @Override
41             public void onClick(View view) { calculateResult(); }
42         });
43     }
44
45     1 usage
46
47     private void calculateResult() {
48
49         1 usage
50         private void calculateResult() {
51             try {
52                 double number1 = Double.parseDouble(editTextNumber1.getText().toString());
53                 double number2 = Double.parseDouble(editTextNumber2.getText().toString());
54                 String operation = spinnerOperation.getSelectedItem().toString();
55
56                 double result = 0;
57
58                 switch (operation) {
59                     case "+":
60                         result = number1 + number2;
61                         break;
62                     case "-":
63                         result = number1 - number2;
64                         break;
65                     case "*":
66                         result = number1 * number2;
67                         break;
68                     case "/":
69                         if (number2 != 0) {
70                             result = number1 / number2;
71                         } else {
72                             textViewResult.setText("Division par zéro");
73                             return;
74                         }
75                 }
76             }
77         }
78     }
```

```
activity_main.xml x MainActivity.java x arrays.xml x
63     result = number1 * number2;
64     break;
65     case "/":
66         if (number2 != 0) {
67             result = number1 / number2;
68         } else {
69             textViewResult.setText("Division par zéro");
70             return;
71         }
72         break;
73     default:
74         textViewResult.setText("Opération non valide");
75         return;
76     }
77
78     textViewResult.setText(String.format("Résultat: %.2f", result));
79
80 } catch (NumberFormatException e) {
81     textViewResult.setText("Veuillez entrer des nombres valides.");
82 }
83 }
84 }
```

➔ activity-main.xml

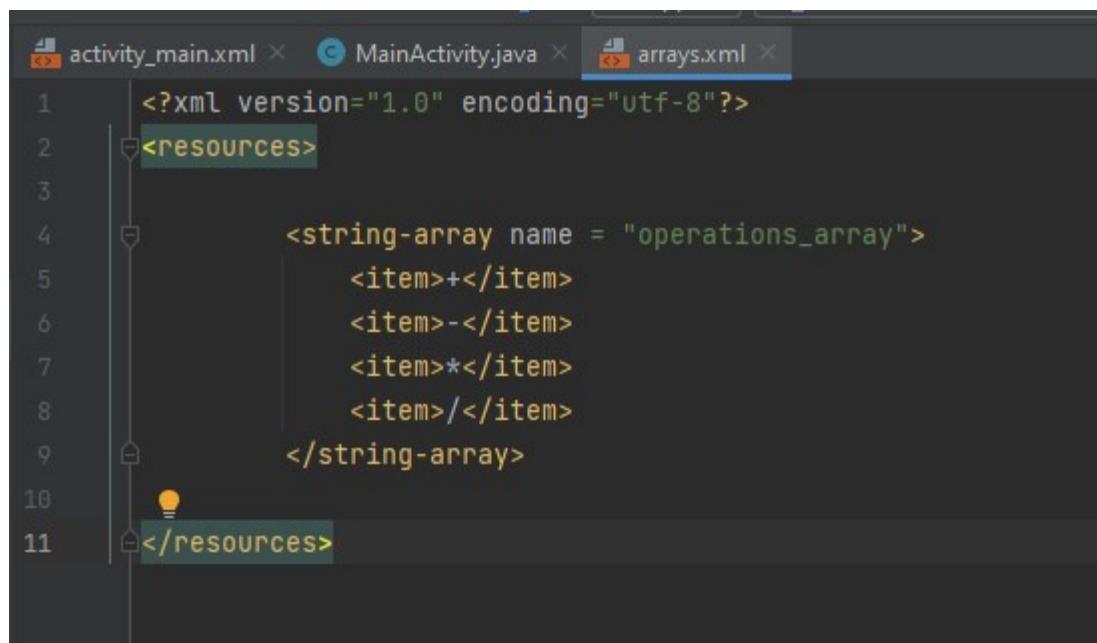
```
activity_main.xml x MainActivity.java x arrays.xml x
1 <?xml version="1.0" encoding="Utf-8"?>
2 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:tools="http://schemas.android.com/tools"
4     android:layout_width="match_parent"
5     android:layout_height="match_parent"
6     tools:context=".MainActivity">
7
8     <EditText
9         android:id="@+id/editTextNumber1"
10        android:layout_width="match_parent"
11        android:layout_height="wrap_content"
12        android:hint="Nombre 1"
13        android:inputType="numberDecimal"
14        android:layout_margin="16dp" />
15
16     <EditText
17         android:id="@+id/editTextNumber2"
18         android:layout_width="match_parent"
19         android:layout_height="wrap_content"
20         android:layout_below="@+id/editTextNumber1"
21         android:layout_marginTop="16dp"
22         android:hint="Nombre 2"
23         android:inputType="numberDecimal"
24         android:layout_margin="16dp"/>
25
```

activity_main.xml MainActivity.java arrays.xml

```
25
26     <Spinner
27         android:id="@+id/spinnerOperation"
28         android:layout_margin="16dp"
29         android:layout_width="match_parent"
30         android:layout_height="wrap_content"
31         android:layout_below="@+id/editTextNumber2"
32         android:layout_marginTop="16dp"
33         android:entries="@array/operations_array"
34     />
35
36     <Button
37         android:id="@+id	btnCalculate"
38         android:layout_width="wrap_content"
39         android:layout_height="wrap_content"
40         android:text="Calculer"
41         android:layout_below="@+id/spinnerOperation"
42         android:layout_centerHorizontal="true"
43         android:layout_marginTop="16dp"/>
44
45     <TextView
46         android:id="@+id/textViewResult"
47         android:layout_width="wrap_content"
48         android:layout_height="wrap_content"
49         android:layout_below="@+id	btnCalculate"
50
51
52
53
54
55
56
```

```
44
45     <TextView
46         android:id="@+id/textViewResult"
47         android:layout_width="wrap_content"
48         android:layout_height="wrap_content"
49         android:layout_below="@+id	btnCalculate"
50         android:layout_marginTop="16dp"
51         android:text=""
52         android:textSize="18sp"
53         android:textStyle="bold"
54         android:layout_centerHorizontal="true"/>
55
56     </RelativeLayout>
```

➔ arrays.xml



```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <string-array name = "operations_array">
        <item>+</item>
        <item>-</item>
        <item>*</item>
        <item>/</item>
    </string-array>
</resources>
```

Exécution :



Nombrer 1 _____

Nombrer 2 _____

+ ▾

Calculer



Nombrer 1 _____

Nombrer 2 _____

+
-
*
/

30.80

12

/

Calculer

Résultat: 2,57

1	2	3	()	,
4	5	6	+	-	;
7	8	9	/	N	✖
*	0	#	.		⌫
▼ ○ □ ☰					

30.80 % 60 % 18:18

30.80

12

*

Calculer

Résultat: 369,60

1	2	3	()	,
4	5	6	+	-	;
7	8	9	/	N	✖
*	0	#	.		⌫
▼ ○ □ ☰					

30.80 % 60 % 18:18

30.80

12

+

Calculer

Résultat: 42,80

1	2	3	()	,
4	5	6	+	-	;
7	8	9	/	N	✖
*	0	#	.		⌫
▼ ○ □ ☰					

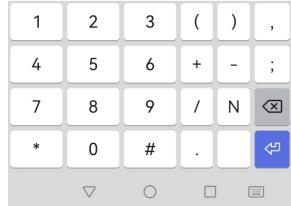
30.80

12

-

Calculer

Résultat: 18,80

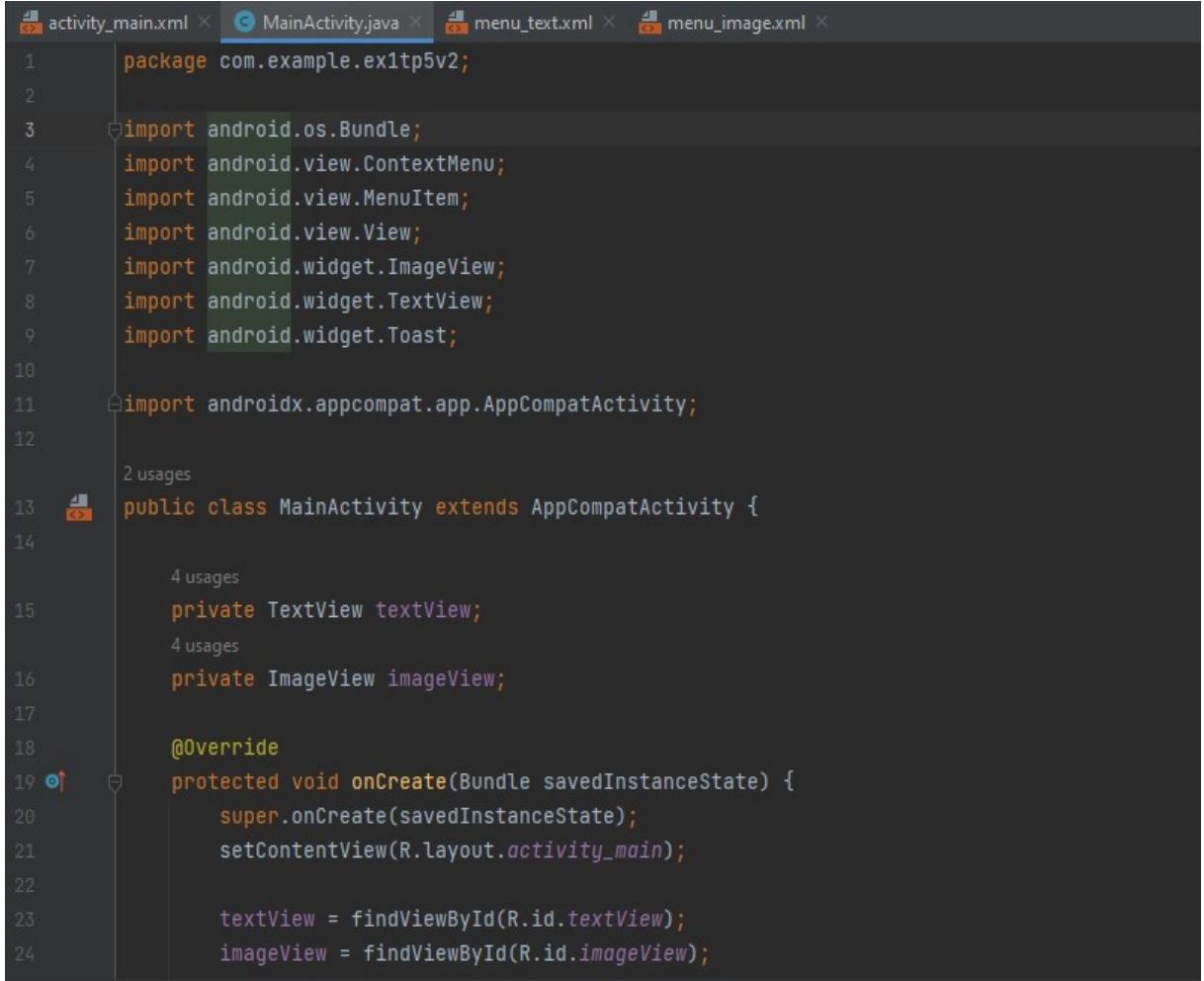


-Compte Rendu TP5-

Mosbahi Wided
GLSI3 groupe 4

Exercice1 :

MainActivity.java :



```
activity_main.xml × MainActivity.java × menu_text.xml × menu_image.xml ×
1 package com.example.ex1tp5v2;
2
3 import android.os.Bundle;
4 import android.view.ContextMenu;
5 import android.view.MenuItem;
6 import android.view.View;
7 import android.widget.ImageView;
8 import android.widget.TextView;
9 import android.widget.Toast;
10
11 import androidx.appcompat.app.AppCompatActivity;
12
13 public class MainActivity extends AppCompatActivity {
14
15     private TextView textView;
16     private ImageView imageView;
17
18     @Override
19     protected void onCreate(Bundle savedInstanceState) {
20         super.onCreate(savedInstanceState);
21         setContentView(R.layout.activity_main);
22
23         textView = findViewById(R.id.textView);
24         imageView = findViewById(R.id.imageView);
```

```
activity_main.xml x MainActivity.java x menu_text.xml x menu_image.xml x

23         textView = findViewById(R.id.textView);
24         imageView = findViewById(R.id.imageView);
25
26         // Enregister les vues pour les menus contextuels
27         registerForContextMenu(textView);
28         registerForContextMenu(imageView);
29
30         // Ajouter un appui long sur le texte
31         textView.setOnLongClickListener(new View.OnLongClickListener() {
32             @Override
33             public boolean onLongClick(View v) {
34                 v.showContextMenu();
35                 return true;
36             }
37         });
38
39         // Ajouter un appui long sur l'image
40         imageView.setOnLongClickListener(new View.OnLongClickListener() {
41             @Override
42             public boolean onLongClick(View v) {
43                 v.showContextMenu();
44                 return true;
45             }
46         });
47     }
48
49     @Override
```



```
activity_main.xml x MainActivity.java x menu_text.xml x menu_image.xml x

48
49     @Override
50     public void onCreateContextMenu(ContextMenu menu, View v, ContextMenu.ContextMenuItemInfo menuInfo) {
51         super.onCreateContextMenu(menu, v, menuInfo);
52
53         // Identifier la vue et charger le bon menu
54         if (v == textView) {
55             getMenuInflater().inflate(R.menu.menu_text, menu);
56             menu.setHeaderTitle("menu contextuel");
57             menu.setHeaderIcon(R.drawable.android);
58         } else if (v == imageView) {
59             getMenuInflater().inflate(R.menu.menu_image, menu);
60             menu.setHeaderTitle("menu contextuel image");
61             menu.setHeaderIcon(R.drawable.android);
62         }
63     }
64
65     @Override
66     public boolean onContextItemSelected(MenuItem item) {
67         // Identifier l'élément sélectionné et afficher une notification
68         int itemId = item.getItemId();
69
70         if (itemId == R.id.menuTextOption1 || itemId == R.id.menuImageOption1) {
71             showToast(message: "Option 1 sélectionnée", item.getTitle());
72             return true;
73         } else if (itemId == R.id.menuTextOption2 || itemId == R.id.menuImageOption2) {
74             showToast(message: "Option 2 sélectionnée", item.getTitle());
```

```
activity_main.xml MainActivity.java menu_text.xml menu_image.xml

64
65     @Override
66     public boolean onContextItemSelected(MenuItem item) {
67         // Identifier l'élément sélectionné et afficher une notification
68         int itemId = item.getItemId();
69
70         if (itemId == R.id.menuTextOption1 || itemId == R.id.menuImageOption1) {
71             showToast(message: "Option 1 sélectionnée", item.getTitle());
72             return true;
73         } else if (itemId == R.id.menuTextOption2 || itemId == R.id.menuImageOption2) {
74             showToast(message: "Option 2 sélectionnée", item.getTitle());
75             return true;
76         } else if (itemId == R.id.menuTextOption3) {
77             showToast(message: "Option 3 sélectionnée : ", item.getTitle());
78             return true;
79         } else {
80             return super.onContextItemSelected(item);
81         }
82     }
83
84     3 usages
85     private void showToast(String message, CharSequence title) {
86         Toast.makeText(context: this, text: title + " - " + message, Toast.LENGTH_SHORT).show();
87     }
88 }
```

activity-main.xml :

```
activity_main.xml MainActivity.java menu_text.xml menu_image.xml

1 <?xml version="1.0" encoding="utf-8"?>
2 <!-- activity_main.xml -->
3 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent"
7     tools:context=".MainActivity">
8
9     <TextView
10        android:id="@+id/textView"
11        android:layout_width="match_parent"
12        android:layout_height="wrap_content"
13        android:text="Cliquez ici 3 sec"
14        android:layout_centerInParent="true"
15        android:longClickable="true"
16        android:gravity="center"
17        android:textStyle="bold"
18        android:textSize="20dp"
19        android:padding="20dp"/>
20
21     <ImageView
22        android:id="@+id/imageView"
23
24        android:layout_width="wrap_content"
25        android:layout_height="wrap_content"
```

```
20
21      <ImageView
22          android:id="@+id/imageView"
23
24          android:layout_width="wrap_content"
25          android:layout_height="wrap_content"
26          android:src="@drawable/android"
27          android:layout_below="@+id/textView"
28          android:layout_centerHorizontal="true"
29          android:layout_marginTop="20dp"
30          android:longClickable="true"
31      />
32      <RelativeLayout>
33
```

menu-text.xml :

```
activity_main.xml X MainActivity.java X menu_text.xml X menu_image.xml X
1  <?xml version="1.0" encoding="utf-8"?>
2  <!-- menu_text.xml -->
3  <menu xmlns:android="http://schemas.android.com/apk/res/android">
4      <item
5          android:id="@+id/menuTextOption1"
6          android:title="Supprimer" />
7      <item
8          android:id="@+id/menuTextOption2"
9          android:title="Renommer" />
10     <item
11         android:id="@+id/menuTextOption3"
12         android:title="Partager" />
13     </menu>
```

menu-image.xml :

The screenshot shows the Android Studio interface. At the top, there is a tab bar with five tabs: activity_main.xml, MainActivity.java, menu_text.xml, menu_image.xml (which is currently selected), and another menu_image.xml tab. Below the tabs is the code editor containing the XML for the menu. The code defines a menu with two items, both titled "Envoyer via Email". The file ends with a closing </menu> tag. In the bottom half of the screen is the Project Structure view. It shows the app module with its contents: manifests, java (containing MainActivity), androidTest, test, java (generated), res (containing drawable, layout, menu, mipmap, values, and xml), and res (generated). The menu folder within res contains menu_image.xml and menu_text.xml. The file menu_image.xml is highlighted in yellow.

```
1  |?xml version="1.0" encoding="utf-8"?>
2  |  <!-- menu_image.xml -->
3  |  <menu xmlns:android="http://schemas.android.com/apk/res/android">
4  |      <item
5  |          android:id="@+id/menuImageOption1"
6  |          android:title="Envoyer via Bluetooth" />
7  |      <item
8  |          android:id="@+id/menuImageOption2"
9  |          android:title="Envoyer via Email" />
10 |  </menu>
11 |
```

Android

- app
 - manifests
 - java
 - com.example.ex1tp5v2
 - MainActivity
 - com.example.ex1tp5v2 (androidTest)
 - com.example.ex1tp5v2 (test)
 - java (generated)
 - res
 - drawable
 - android.png
 - ic_launcher_background.xml
 - ic_launcher_foreground.xml
 - layout
 - activity_main.xml
 - menu
 - menu_image.xml
 - menu_text.xml
 - mipmap
 - values
 - xml
 - res (generated)
- Gradle Scripts

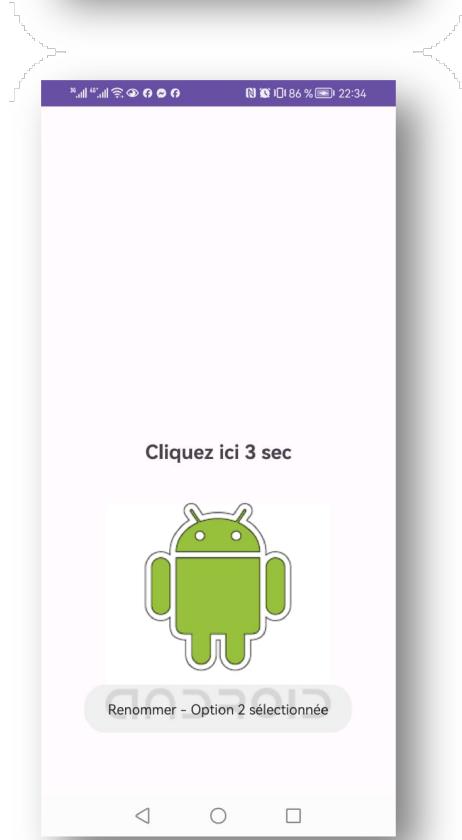
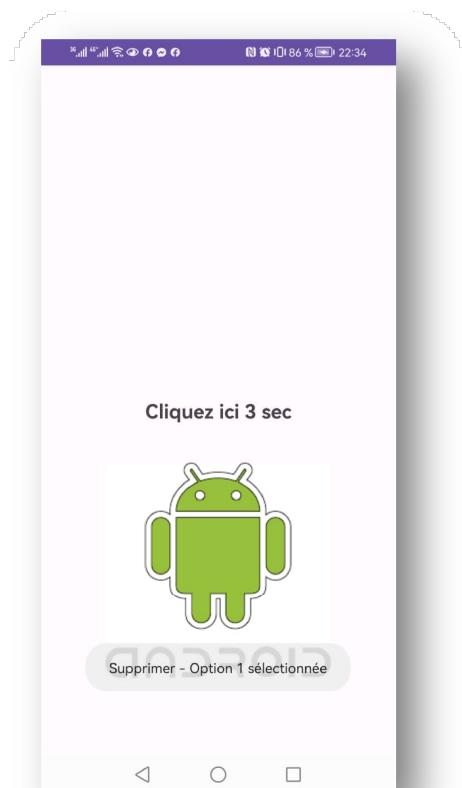
Exécution :

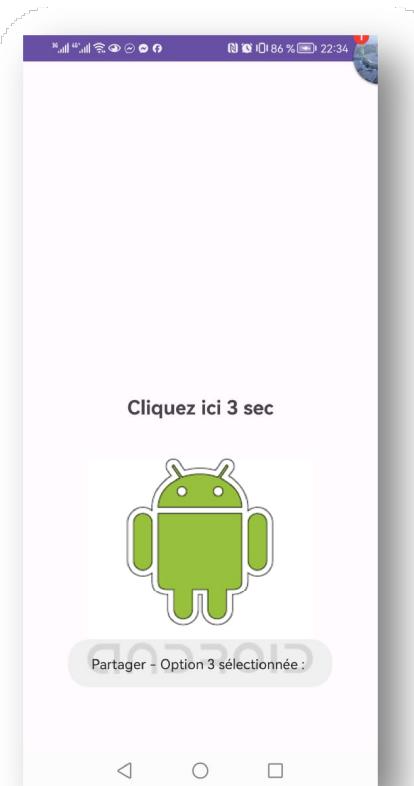
Voici l'interface obtenue après l'installation de l'application sur mon téléphone physique :



En appliquant le « long Click » sur le texte on obtiendra ce menu et en cliquant sur chaque option du menu , on obtiendra un petit message qui s'affiche à la bas en indiquant laquelle des options a été sélectionnée







Le même concept sur l'image , si on applique une longue click sur elle , on va obtenir une liste d'options (menu) comme suit , ainsi en cliquant sur chaque option , un message qui indique l'option sélectionné sera affiché





Exercice2 :

MainActivity.java :

tp5ex2 > MainActivity

activity_main.xml MainActivity.java layout_authentification.xml

```
1 package com.example.tp5ex2;
2
3 import android.os.Bundle;
4 import android.view.LayoutInflater;
5 import android.view.View;
6 import android.widget.Button;
7 import android.widget.EditText;
8
9 import androidx.appcompat.app.AlertDialog;
10 import androidx.appcompat.app.AppCompatActivity;
11
12 public class MainActivity extends AppCompatActivity {
13
14     @Override
15     protected void onCreate(Bundle savedInstanceState) {
16         super.onCreate(savedInstanceState);
17         setContentView(R.layout.activity_main);
18
19         Button btnAuthentification = findViewById(R.id.btnAuthentification);
20         Button btnFermer = findViewById(R.id.btnFermer);
21
22         btnAuthentification.setOnClickListener(new View.OnClickListener() {
23             @Override
24             public void onClick(View v) {
25                 showAuthDialog();
26             }
27         });
28
29         btnFermer.setOnClickListener(new View.OnClickListener() {
30             @Override
31             public void onClick(View v) {
32                 finish();
33             }
34         });
35     }
36
37     private void showAuthDialog() {
38         // Charger le layout de l'interface d'authentification
39         LayoutInflater inflater = getLayoutInflater();
40         View dialogView = inflater.inflate(R.layout.layout_authentification, null);
41
42         // Obtenir les références des champs dans l'interface d'authentification
43         EditText editTextUsername = dialogView.findViewById(R.id.editTextUsername);
44         EditText editTextPassword = dialogView.findViewById(R.id.editTextPassword);
45
46         // Obtenir les références des boutons
47         Button btnValider = dialogView.findViewById(R.id.btnValider);
48
49         // Créer le dialogue
50         AlertDialog.Builder builder = new AlertDialog.Builder(this);
```

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The screenshot shows the Android Studio interface with three tabs open: activity_main.xml, MainActivity.java, and layout_authentification.xml. The MainActivity.java tab is active, displaying Java code for creating an authentication dialog. The code includes logic to validate user input (username and password) before displaying a success alert or dismissing the dialog.

```
48     // Créer le dialogue
49     AlertDialog.Builder builder = new AlertDialog.Builder(context: this);
50     builder.setView(dialogView)
51         .setTitle("Authentification");
52
53     AlertDialog dialog = builder.create();
54
55     // Définir le clic sur le bouton "Valider"
56     btnValider.setOnClickListener(new View.OnClickListener() {
57
58         @Override
59         public void onClick(View v) {
60             // Valider les champs
61             String username = editTextUsername.getText().toString().trim();
62             String password = editTextPassword.getText().toString().trim();
63
64             if (username.isEmpty()) {
65                 showAlert("Le nom d'utilisateur ne peut pas être vide.");
66             } else if (password.isEmpty() || !password.equals("motdepasse123")) {
67                 showAlert("Mot de passe incorrect ou vide.");
68             } else {
69                 showSuccessAlert(username);
70                 dialog.dismiss(); // Fermer le dialogue en cas de succès
71             }
72         }
73     });
74 }
```

The screenshot shows the Android Studio interface with the tab bar at the top containing 'MainActivity', 'activity_main.xml', 'MainActivity.java' (which is currently selected), and 'layout_authentication.xml'. Below the tabs, the code editor displays the Java code for MainActivity. The code includes two private methods: 'showAlert' and 'showSuccessAlert'. The 'showAlert' method creates an AlertDialog.Builder with a title 'Erreur', message 'message', and a single positive button labeled 'OK'. The 'showSuccessAlert' method creates an AlertDialog.Builder with a title 'Connexion réussie', message 'Bienvenue, ' + username + '!', and a single positive button labeled 'OK'. Both methods call the 'show()' method on the builder.

```
72     }
73     });
74
75     // Afficher le dialogue
76     dialog.show();
77 }
78
79     2 usages
80     □ private void showAlert(String message) {
81         new AlertDialog.Builder( context: this )
82             .setTitle("Erreur")
83             .setMessage(message)
84             .setPositiveButton( text: "OK", listener: null )
85             .show();
86
87     1 usage
88     □ private void showSuccessAlert(String username) {
89         new AlertDialog.Builder( context: this )
90             .setTitle("Connexion réussie")
91             .setMessage("Bienvenue, " + username + "!")
92             .setPositiveButton( text: "OK", listener: null )
93             .show();
94     }
95 }
```

Res/layout /activity-main.xml :

The screenshot shows the Android Studio interface with three tabs at the top: 'activity_main.xml' (selected), 'MainActivity.java', and 'layout_authentification.xml'. The main area displays the XML code for 'activity_main.xml'.

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <Button
        android:id="@+id	btnAuthentification"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Authentification"
        android:layout_centerInParent="true"/>

    <Button
        android:id="@+id	btnFermer"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Fermer"
        android:layout_below="@+id	btnAuthentification"
        android:layout_marginTop="16dp"
        android:layout_centerHorizontal="true"/>
</RelativeLayout>
```

Res/layout/Layout-athentification.xml :

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    android:padding="16dp">

    <EditText
        android:id="@+id/editTextUsername"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:hint="Nom d'utilisateur"
        android:layout_marginBottom="40dp"/>

    <EditText
        android:id="@+id/editTextPassword"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:inputType="textPassword"
        android:hint="Mot de passe"
        android:layout_marginBottom="40dp"/>

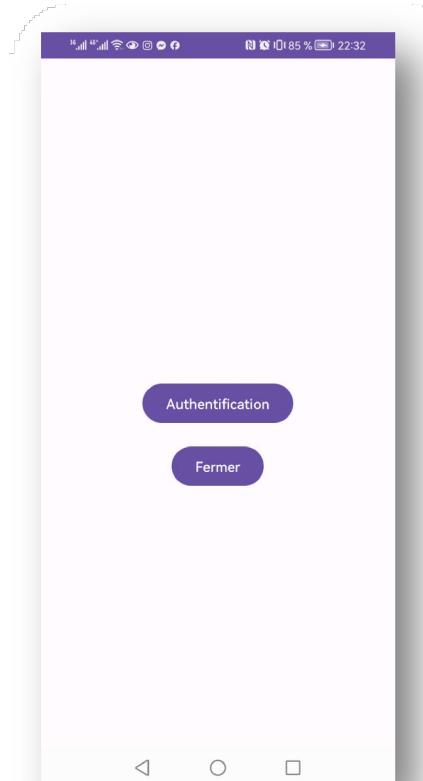
    <Button
        android:id="@+id/btnValider"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Valider"
        android:layout_marginBottom="20dp"/>

    <Button
        android:id="@+id/btnClear"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Effacer"
        android:layout_marginBottom="20dp"/>

```

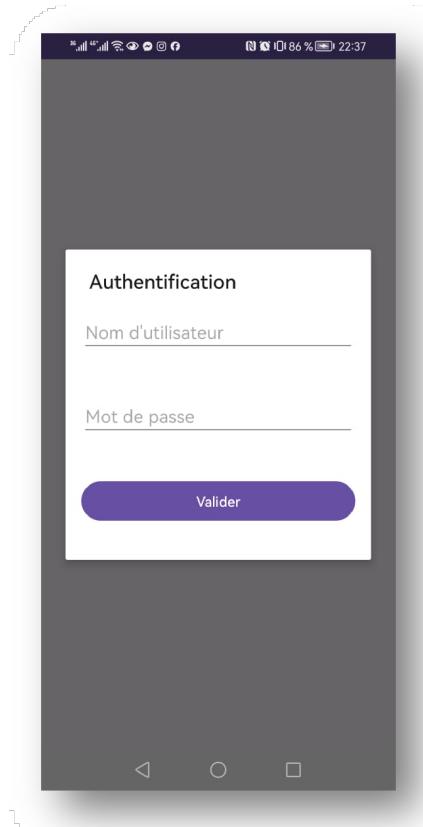
Execution :

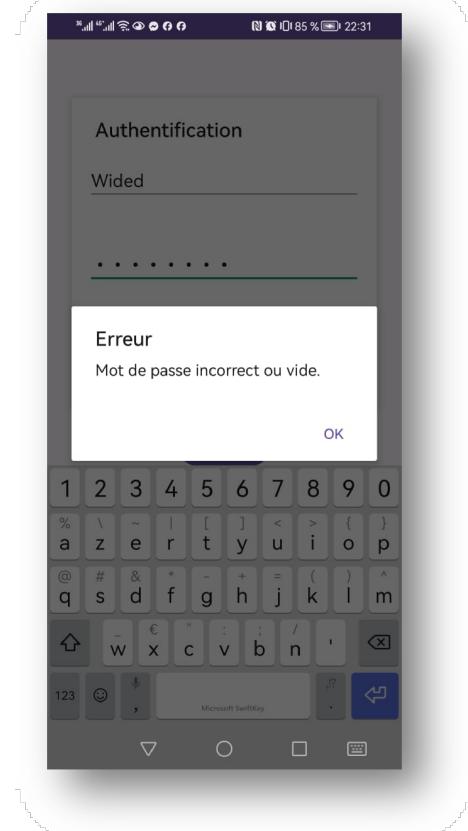
Lors de l'installation de l'application sur mon téléphone , voici l'interface que j'ai obtenu

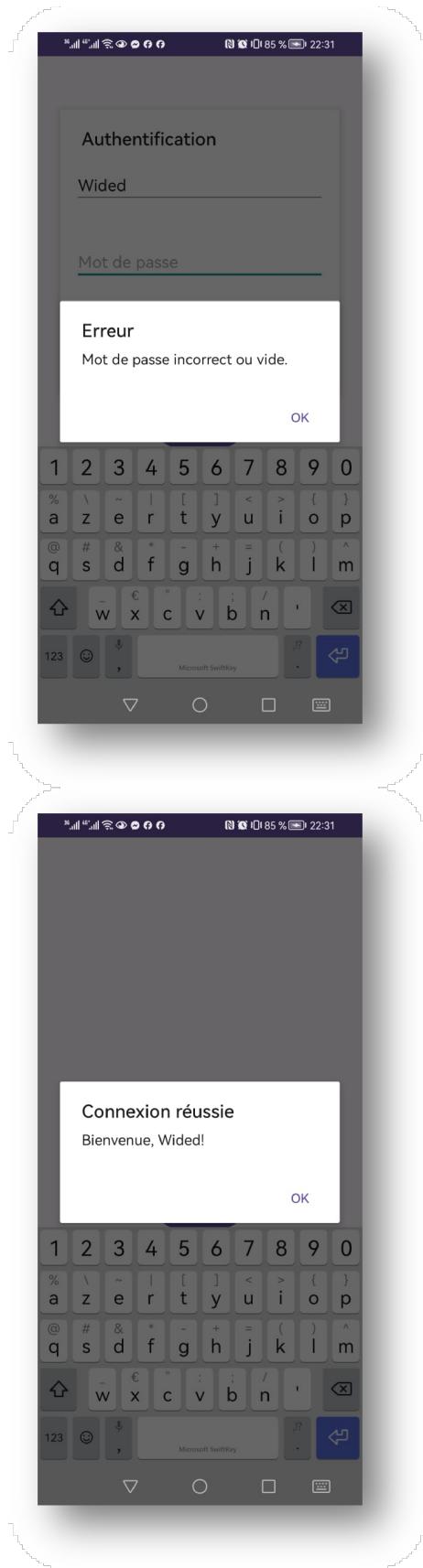


En cliquant sur le bouton « Authentification » on va obtenir une interface login pour écrire le username et le motdepasse correct : « motdepasse123 »

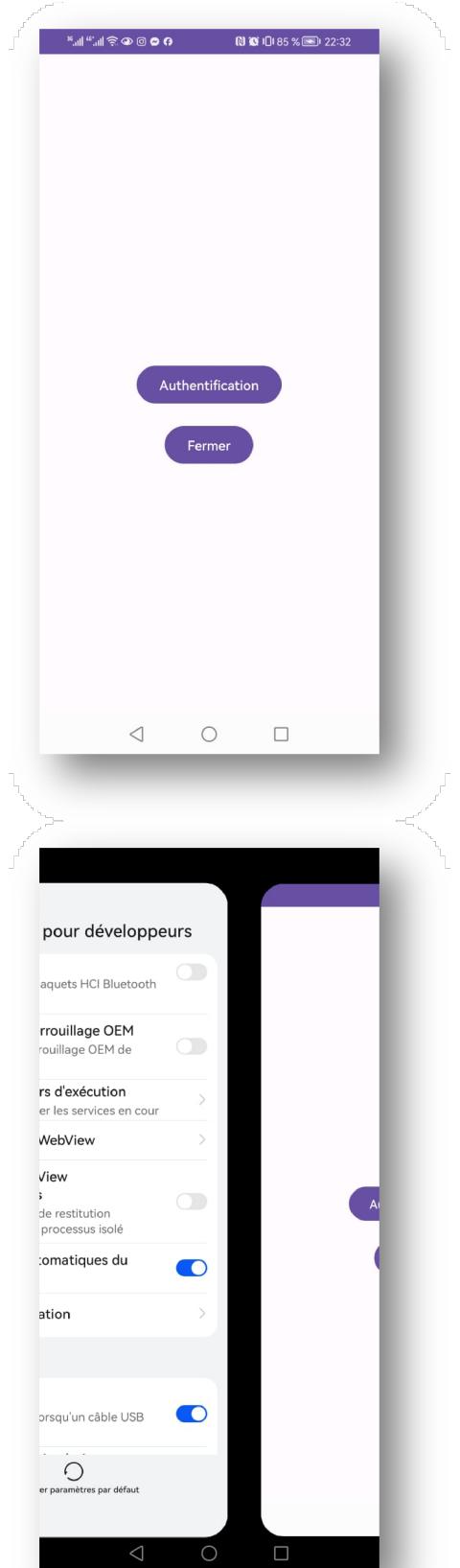
Pour que le login s'effectue avec succès il faut que entrer un username et entrer le bon motdepasse voici tout les cas possibles :







Avec le bouton « authentification » il s'agit aussi un autre bouton « fermer » qui joue le rôle d' EXIT de l'application c'est-à-dire sortir de l'application



Compte Rendu Tp6

MainActivity.java

```
package com.example.tp6;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.ViewGroup;
import android.widget.LinearLayout;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        Toast.makeText(this, "Welcome JMA", Toast.LENGTH_LONG).show();

        LinearLayout mainLayout = findViewById(R.id.mainLayout);
        ArrayList<String> s=new ArrayList<String>();
        String s1= getString(R.string.One);
        s.add(s1);
        String s2= getString(R.string.two);
        s.add(s2);
        String s3= getString(R.string.three);
        s.add(s3);
        String s4= getString(R.string.five);
        s.add(s4);
        String s5= getString(R.string.sex);
        s.add(s5);
        String s6= getString(R.string.seven);
        s.add(s6);
        // Ajoutez des TextView dynamiquement en utilisant une boucle
        for (int i=0;i<s.size();i++) {
            // Créer un TextView
            TextView textView = new TextView(this);
            textView.setTextSize(25);
            // Définir le texte du TextView
            textView.setText(s.get(i));

            // Définir les paramètres de mise en page du TextView
        }
    }
}
```

```

        LinearLayout.LayoutParams layoutParams = new LinearLayout.LayoutParams(
            ViewGroup.LayoutParams.MATCH_PARENT,
            ViewGroup.LayoutParams.WRAP_CONTENT
        );

        // Ajouter le TextView au LinearLayout
        mainLayout.addView(textView, layoutParams);
    }
}
}

```

ChangerPwd.java

```

package com.example.tp6;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class ChangerPwd extends AppCompatActivity {
    EditText an, newpwd;
    Button btns;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_changer_pwd);
        Intent intent = getIntent();
        String anPwd=intent.getStringExtra("anPwd");
        an=findViewById(R.id.an);
        newpwd=findViewById(R.id.newpwd);
        btns=findViewById(R.id.btnsave);
        btns.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String s= String.valueOf(an.getText());
                if(s.equals(anPwd))
                {
                    String np=String.valueOf(newpwd.getText());
                    //Toast.makeText(ChangerPwd.this, "aa"+np,
                    Toast.LENGTH_SHORT).show();
                    Intent intent2 = new Intent(ChangerPwd.this, Connection.class);
                    intent.putExtra("v",1);
                    intent.putExtra("np",np);
                    startActivity(intent2);
                }
                else{
                    Toast.makeText(ChangerPwd.this, "pwd incorrect : "+anPwd,
                    Toast.LENGTH_SHORT).show();
                }
            }
        });
    }
}

```

Connection.java :

```
package com.example.tp6;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class Connection extends AppCompatActivity {
    Button btnq,btnup,btnc;
    EditText edemail,edpwd;
    String email="admin";
    String pwd="admin";
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_connection);
        edemail=findViewById(R.id.email);
        edpwd=findViewById(R.id.pwd);
        btnup=findViewById(R.id.btnup);
        btnc=findViewById(R.id.btnc);
        btnq=findViewById(R.id.q);
        btnq.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                finish();
            }
        });
        btnc.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                int r=seConnecter(edemail ,edpwd );
                if(r== -1)
                    Toast.makeText(Connection.this, "ce personne n'existe pas",
Toast.LENGTH_SHORT).show();
                if(r==0)
                    Toast.makeText(Connection.this, "Verifier le pwd svp !",
Toast.LENGTH_SHORT).show();
                if(r==1)
                {
                    Intent intent = new Intent(Connection.this, MainActivity.class);
                    startActivity(intent);
                }
            }
        });
        btnup.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                int r=update(edemail);
                if(r== -1)
                    Toast.makeText(Connection.this, "ce personne n'existe pas",
Toast.LENGTH_SHORT).show();
                else{

```

```

        Intent intent = new Intent(ConnectionString.this, ChangerPwd.class);

        intent.putExtra("anPwd", pwd);
        startActivity(intent);
    }
}
Intent intent = getIntent();
String anPwd=intent.getStringExtra("np");
int t=intent.getIntExtra("v",0);
this.pwd=anPwd;
Toast.makeText(this, "JMA"+anPwd, Toast.LENGTH_LONG).show();
if(t==1)
Toast.makeText(this, "PasseeWord modifier", Toast.LENGTH_LONG).show();

}

int seConnecter(EditText log ,EditText pwd)
{
    String l= String.valueOf(log.getText());
    String p= String.valueOf(pwd.getText());
    if(l.equals(email)==false)
    {
        return -1;
    }
    else{
        if(p.equals(this.pwd)==false)
        {
            return 0;
        }
        else{
            return 1;
        }
    }
}

int update(EditText log)
{
    String l= String.valueOf(log.getText());

    if(l.equals(email)==false)
    {
        return -1;
    }

    return 1;
}
}

```

activitymain.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:orientation="vertical"

```

```
    android:id="@+id/mainLayout">
```

```
</LinearLayout>
```

Activityconnection.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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=".Connection"
    android:orientation="vertical"
    android:gravity="center">
    <EditText
        android:id="@+id/email"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Entrez votre email"
        android:textSize="20dp"/>
    <EditText
        android:id="@+id/pwd"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Entrez votre mot de passe"
        android:textSize="20dp"/>
    <Button
        android:id="@+id/btnc"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Se Connecter"/>
    <Button
        android:id="@+id/btnup"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Changer Pwd"/>
    <Button
        android:id="@+id/q"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Quitter"/>
</LinearLayout>
```

Activitychangepwd.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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=".ChangerPwd"
    android:orientation="vertical"
    android:gravity="center">
    <EditText
        android:id="@+id/an"
        android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
    android:hint="Ancien mot de passe"/>
<EditText
    android:id="@+id/newpwd"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="new pwd"/>
<Button
    android:id="@+id/btnsave"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Save"/>
</LinearLayout>
```

Mosbahi Wided

Glsi3 groupe 4