Unidad Profesional Interdisciplinaria en Ingeniería y Tecnologías Avanzadas

DISPOSITIVOS MÓVILES

Práctica 6

Grupo: 2TM19

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1 XML

```xml
<?xml version="1.0" encoding="utf-8"?>
<ScrollView 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"
android:orientation="vertical"
tools:context=".MainActivity">

<LinearLayout
android:layout_width="match_parent"
android:layout_height="match_parent"
android:orientation="vertical"
android:layout_marginHorizontal="50dp"
android:layout_marginTop="60dp">

<TextView
android:id="@+id/txt1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Usuario"
android:textSize="18sp"
android:layout_margin="8dp"
android:textColor="@color/black"
android:fontFamily="@font/pmedium"
/>



<EditText
android:id="@+id/edt1"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:textSize="18sp"
android:layout_margin="8dp"
android:hint="Usuario"
android:inputType="textVisiblePassword"
android:fontFamily="@font/pmedium"

/>
<TextView
android:id="@+id/txt2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Contrase a"
android:textSize="18sp"
android:layout_margin="8dp"
android:textColor="@color/black"
```

```
49    android:fontFamily="@font/pmedium"
50    />
51
52    <EditText
53    android:id="@+id/edt2"
54    android:layout_width="match_parent"
55    android:layout_height="wrap_content"
56    android:textSize="18sp"
57    android:layout_margin="8dp"
58    android:hint="Contrase a"
59    android:fontFamily="@font/pmedium"
60    android:inputType="numberPassword"
61    />
62
63    <LinearLayout
64    android:layout_marginTop="30dp"
65    android:layout_width="match_parent"
66    android:layout_height="match_parent"
67    android:orientation="horizontal"
68    >
69
70    <CheckBox
71    android:id="@+id/cbox1"
72    android:layout_width="wrap_content"
73    android:layout_height="match_parent"/>
74
75    <TextView
76    android:id="@+id/txt3"
77    android:layout_width="wrap_content"
78    android:layout_height="match_parent"
79    android:layout_margin="8dp"
80    android:fontFamily="@font/pmedium"
81    android:text=" NO Recordar mi contrase a"
82    android:textColor="@color/black"
83    android:textSize="14sp"
84    android:gravity="center_horizontal"
85    android:paddingTop="4dp"/>
86
87    </LinearLayout>
88
89
90
91    <Button
92    android:id="@+id/btn1"
93    android:layout_width="match_parent"
94    android:layout_height="wrap_content"
95    android:layout_margin="8dp"
96    android:text="Ingresar"
97    android:textSize="20sp"
98    android:foregroundTint="#C86889"
99    android:shadowColor="#000000"
```

```
100    android:fontFamily="@font/lol"
101    />
102
103    <TextView
104    android:id="@+id/txt4"
105    android:layout_width="match_parent"
106    android:layout_height="wrap_content"
107    android:text=""
108    android:textSize="18sp"
109    android:layout_margin="8dp"
110    android:textColor="@color/black"
111    />
112
113    </LinearLayout>
114
115    </ScrollView>
116
```
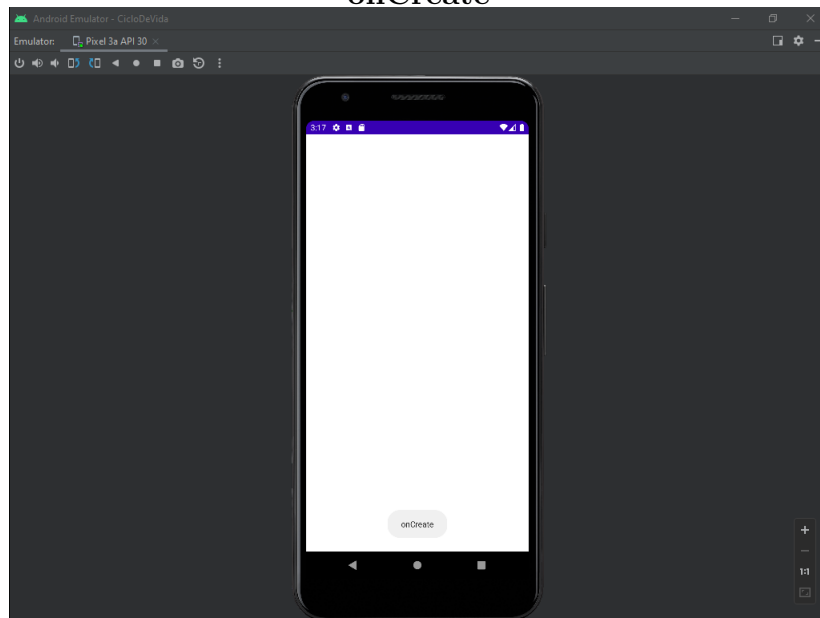
2   JAVA

```
1    package com.example.ciclodevida;
2
3    import androidx.appcompat.app.AppCompatActivity;
4
5    import android.content.SharedPreferences;
6    import android.os.Bundle;
7    import android.view.KeyEvent;
8    import android.view.View;
9    import android.widget.Button;
10   import android.widget.CheckBox;
11   import android.widget.EditText;
12   import android.widget.TextView;
13   import android.widget.Toast;
14
15
16   public class MainActivity extends AppCompatActivity implements View.
        OnClickListener{
17
18     TextView txt1,txt2,txt3,txt4;
19     EditText edt1,edt2;
20
21     SharedPreferences myData;
22     String user,password;
23     CheckBox cbox1;
24     Button btnn1;
25
26     @Override
27     protected void onCreate(Bundle savedInstanceState) {
28       super.onCreate(savedInstanceState);
```

```
29      Toast.makeText(getApplicationContext(),"onCreate",Toast.LENGTH_LONG)
    .show();
30      setContentView(R.layout.activity_main);
31
32
33      txt1 = (TextView) findViewById(R.id.txt1);
34      txt2 = (TextView) findViewById(R.id.txt2);
35      txt3= (TextView) findViewById(R.id.txt3);
36      txt4 = (TextView) findViewById(R.id.txt4);
37
38      edt1 = (EditText) findViewById(R.id.edt1);
39      edt2 = (EditText) findViewById(R.id.edt2);
40
41      cbox1 = (CheckBox) findViewById(R.id.cbox1);
42
43      btnn1 = (Button) findViewById(R.id.btn1);
44      btnn1.setOnClickListener(this);
45
46      myData = getSharedPreferences("preferencias",0);
47      user = myData.getString("name","Nuevo Usuario");
48      password = myData.getString("surname","Contrase a");
49
50
51      edt1.setText(user);
52      edt2.setText(password);
53
54
55     }
56
57     @Override
58     protected void onStart(){
59       super.onStart();
60       Toast.makeText(getApplicationContext(),"onStart",Toast.LENGTH_LONG).
    show();
61      }
62     @Override
63     protected void onResume(){
64       super.onResume();
65       Toast.makeText(getApplicationContext(),"onResume",Toast.LENGTH_LONG)
    .show();
66      }
67
68     @Override
69     protected void onPause(){
70       super.onPause();
71       Toast.makeText(getApplicationContext(),"onPause",Toast.LENGTH_LONG).
    show();
72       SharedPreferences.Editor miEditor = myData.edit();
73       user=edt1.getText().toString();
74       password=edt2.getText().toString();
75       miEditor.putString("name",user);
```
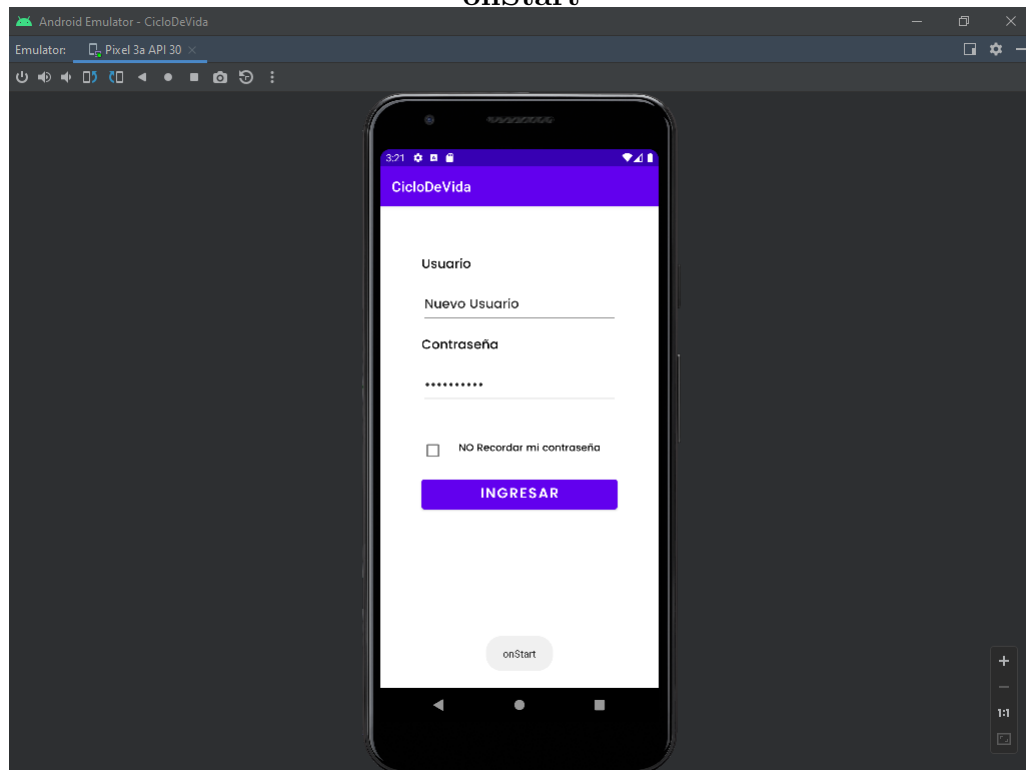
```
76        miEditor.putString("surname",password);
77        miEditor.commit();
78     }
79
80     @Override
81     protected void onStop(){
82        super.onStop();
83        Toast.makeText(getApplicationContext(),"onSStop",Toast.LENGTH_LONG).
    show();
84
85     }
86
87     @Override
88     protected void onDestroy() {
89        super.onDestroy();
90        Toast.makeText(getApplicationContext(), "onDestroy", Toast.
    LENGTH_LONG).show();
91        if (cbox1.isChecked() == true){
92           myData.edit().clear().commit();
93           edt2.setText(" ");
94        }
95        super.onDestroy();
96     }
97
98
99     @Override
100     protected void onRestart(){
101        super.onRestart();
102        Toast.makeText(getApplicationContext(),"onRestart",Toast.LENGTH_LONG
    ).show();
103     }
104
105     @Override
106     public void onClick(View view) {
107        txt4.setText("Bienvenido " + edt1.getText().toString() );
108     }
109
110  }
```
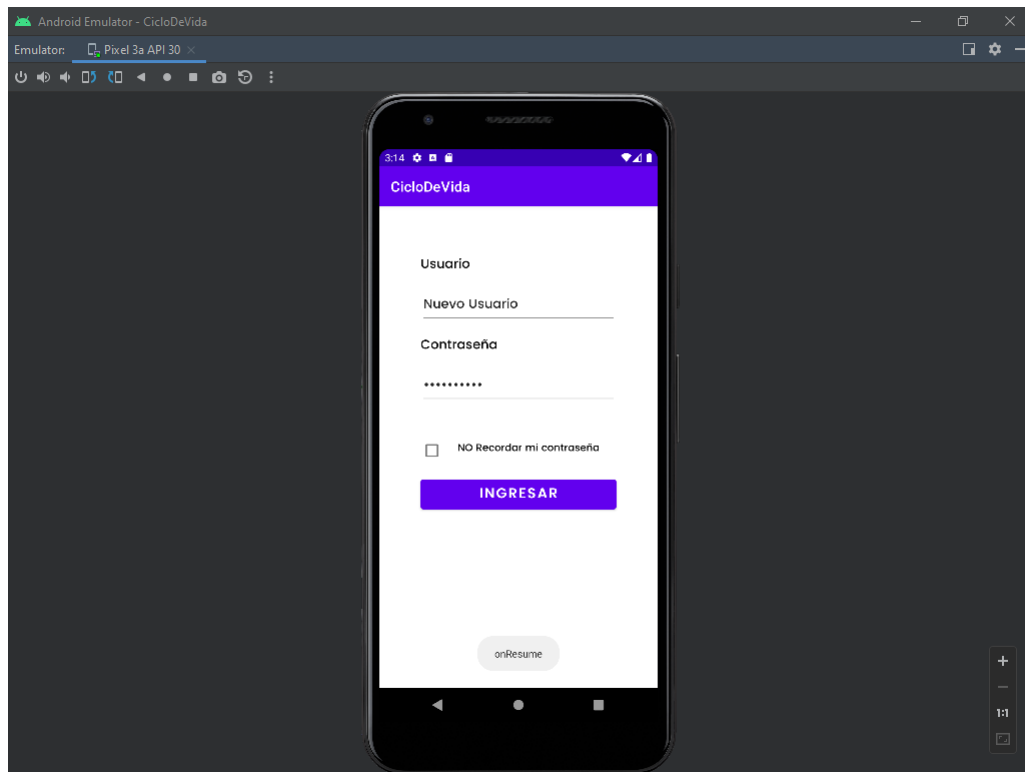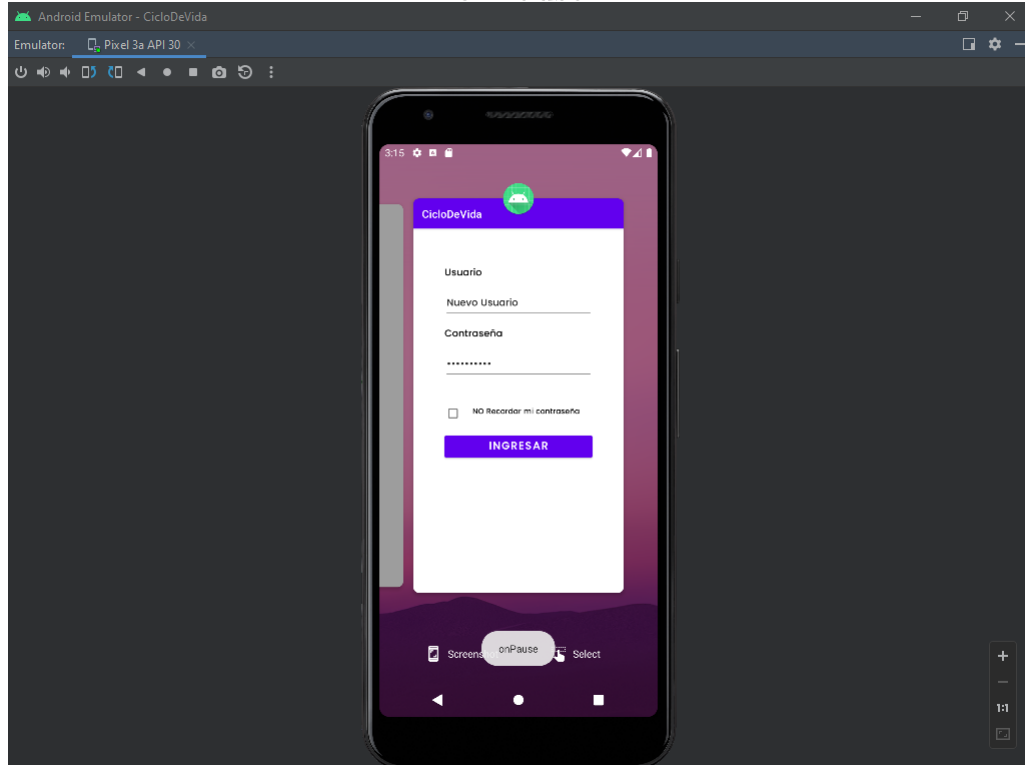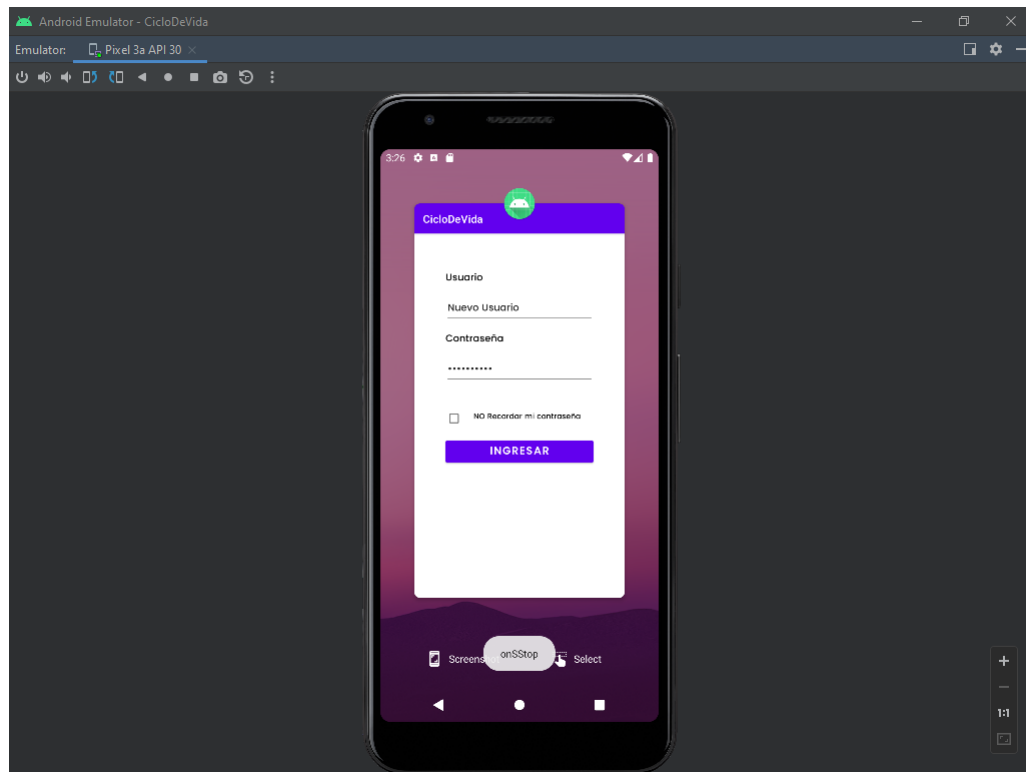
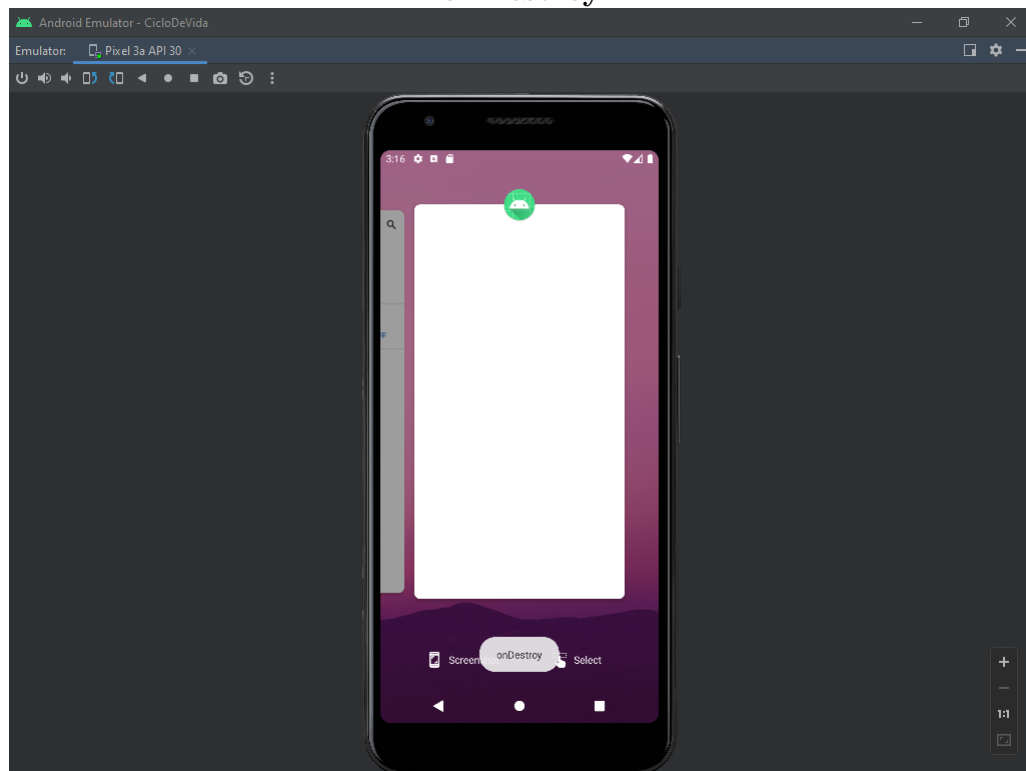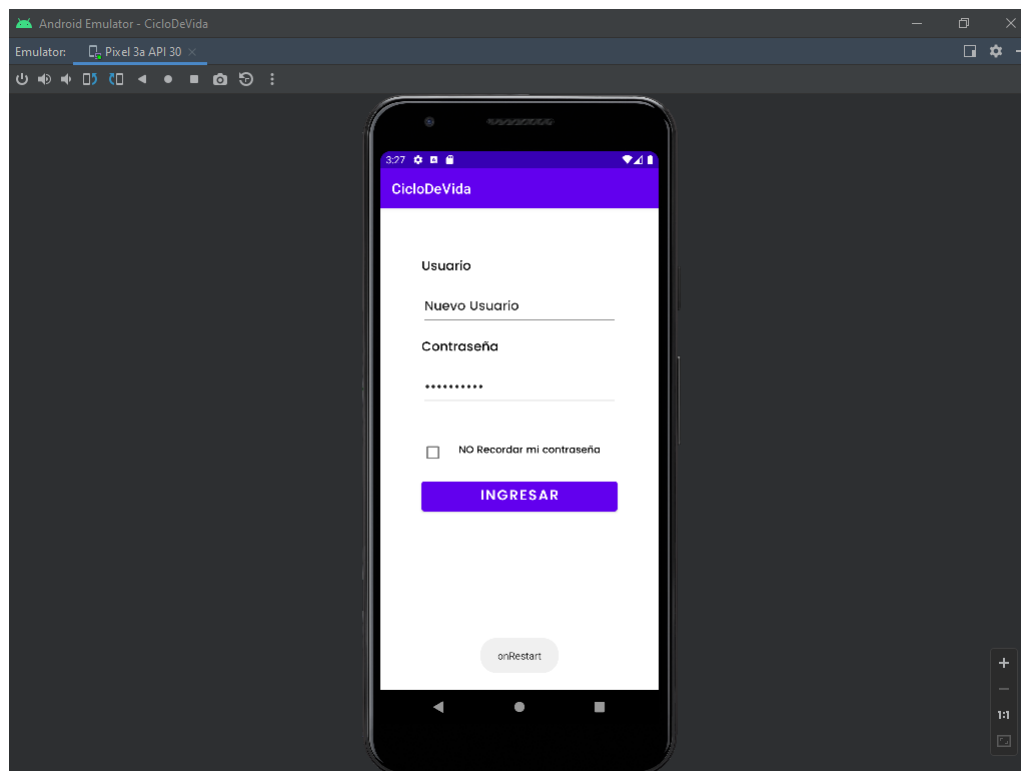# 3   Resultados

onCreate

onStart

onResume

onPause

onStop

onDestroy

onRestart

SharedPreferences