

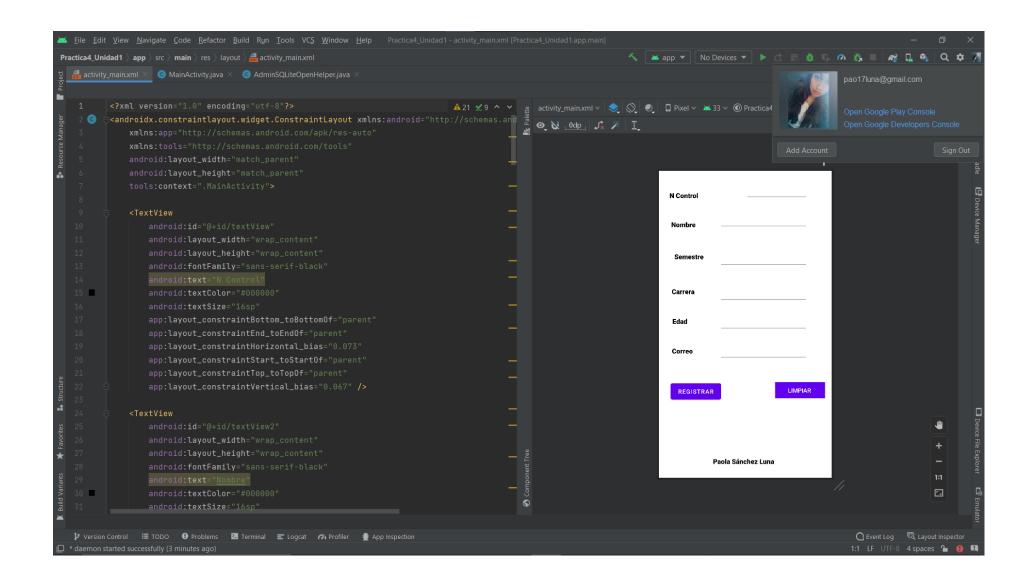


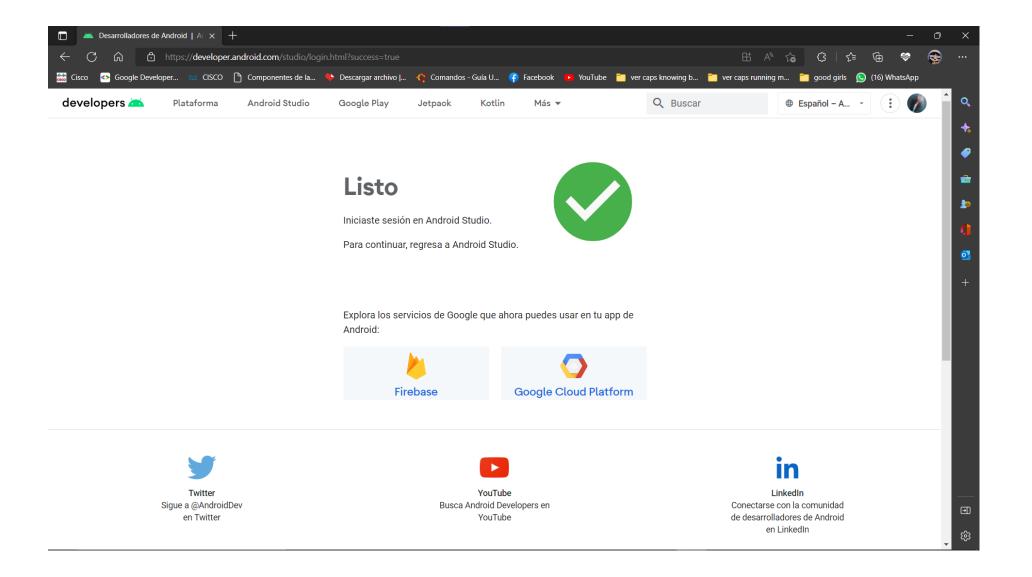
## TECNOLÓGICO NACIONAL DE MÉXICO INSTITUTO TECNOLÓGICO DE SAN JUAN DEL RIO

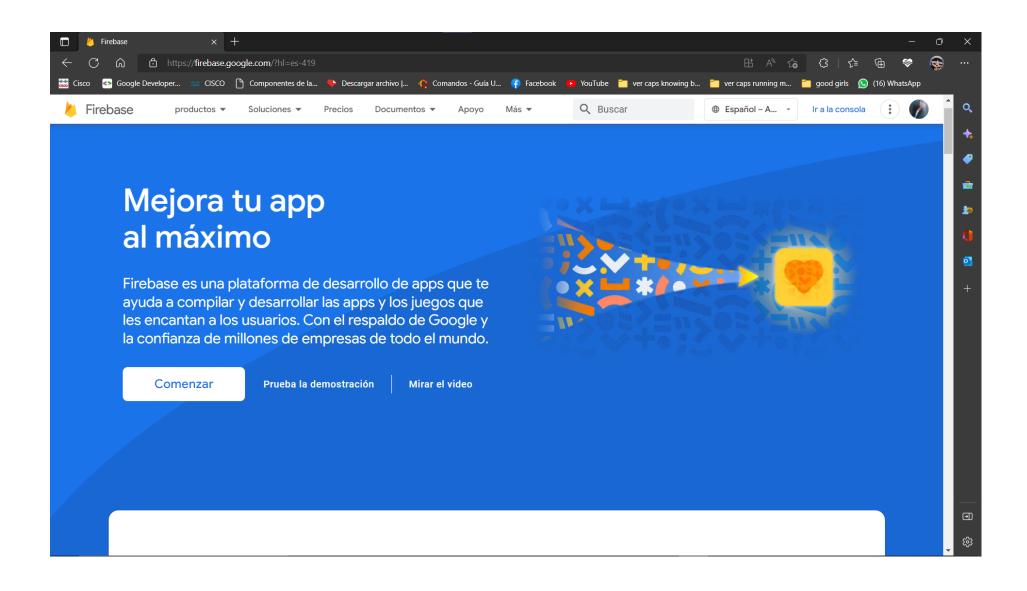
Ingeniería en Sistemas Computacionales

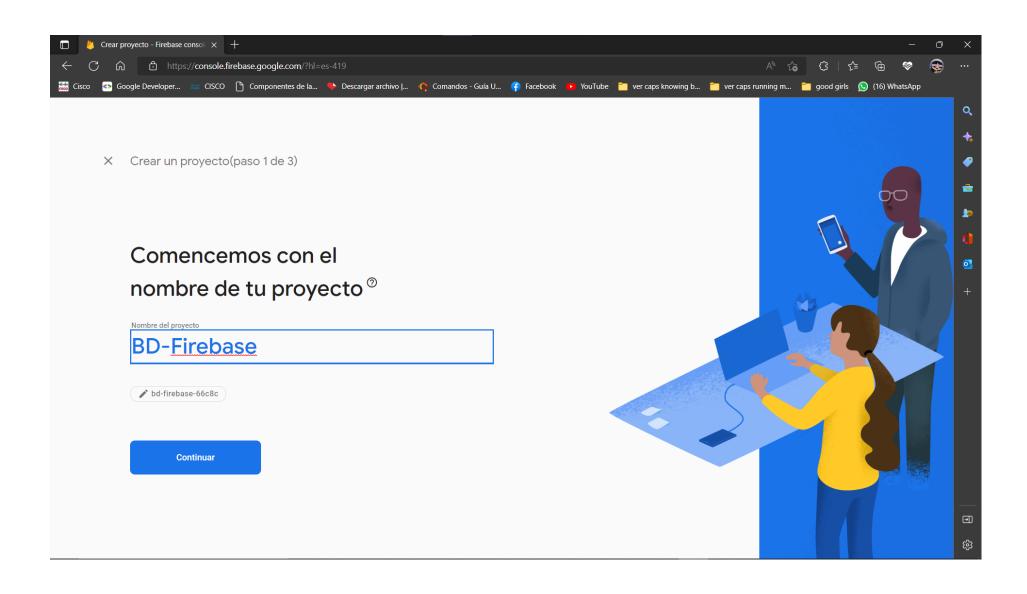
ROSALES ALVAREZ DOMINGO
Tópicos Avanzados de Programación

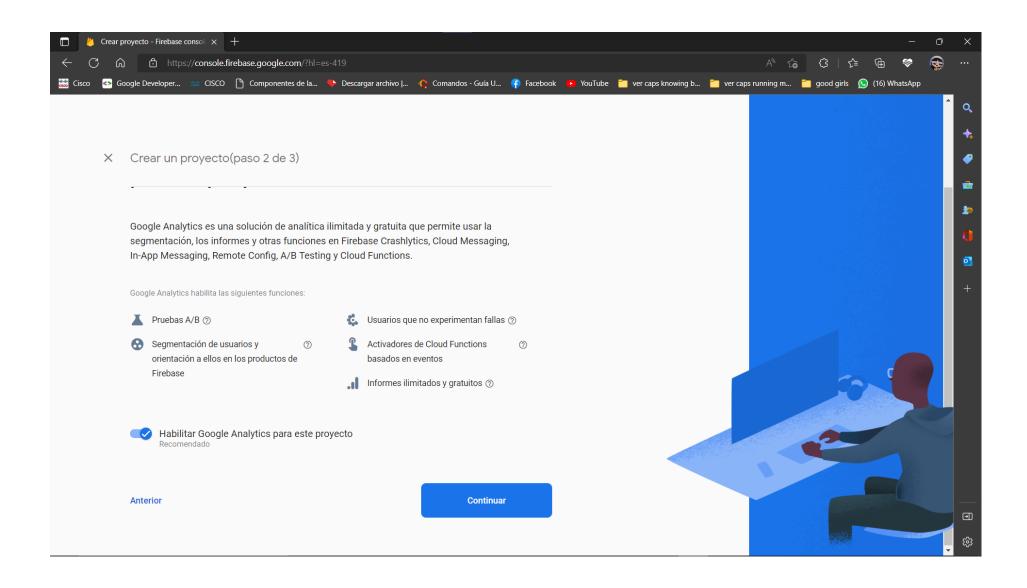
Paola Sánchez Luna
PRÁCTICA-BASE DE DATOS FIREBASE

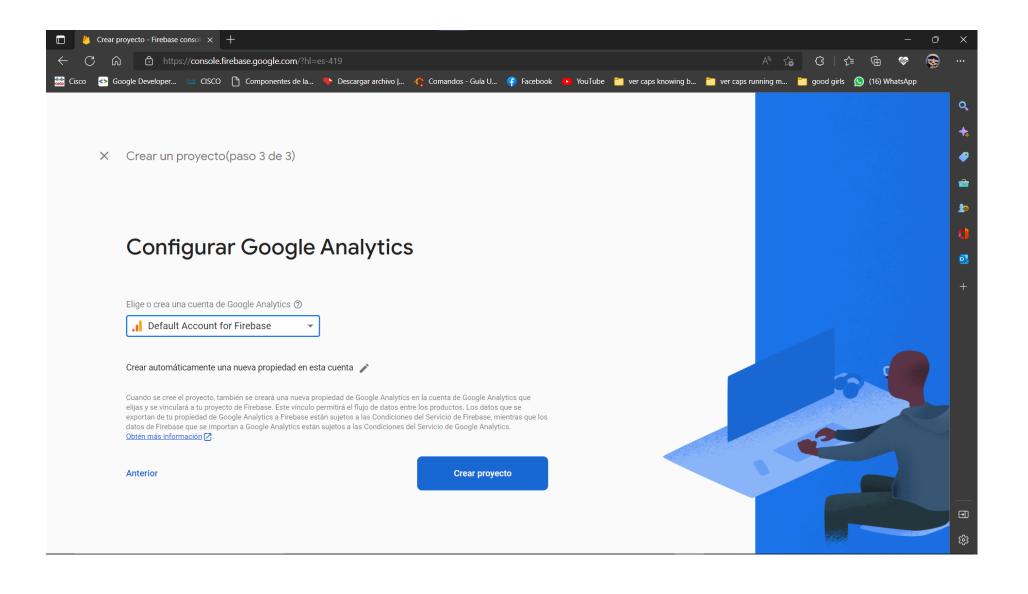


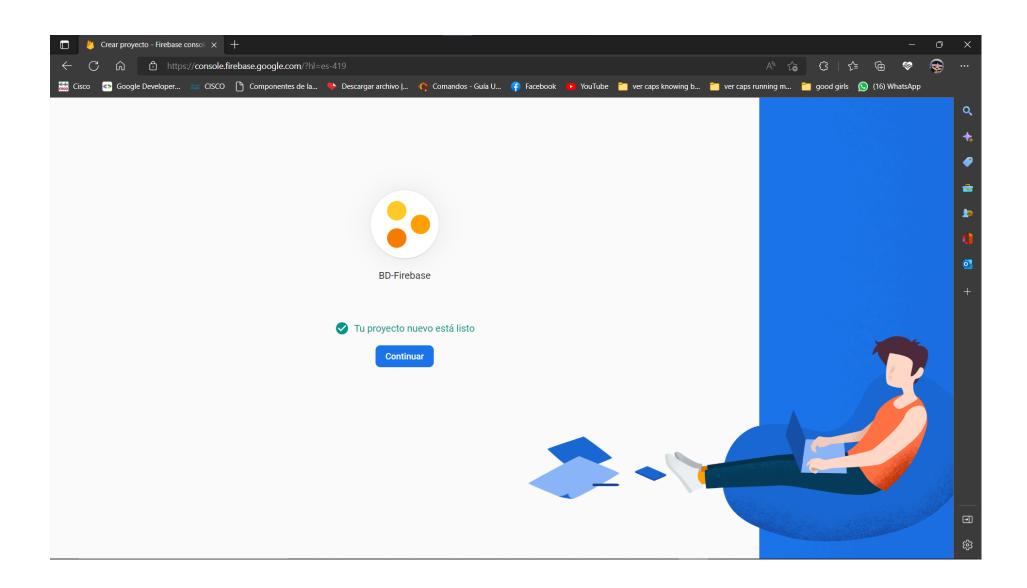


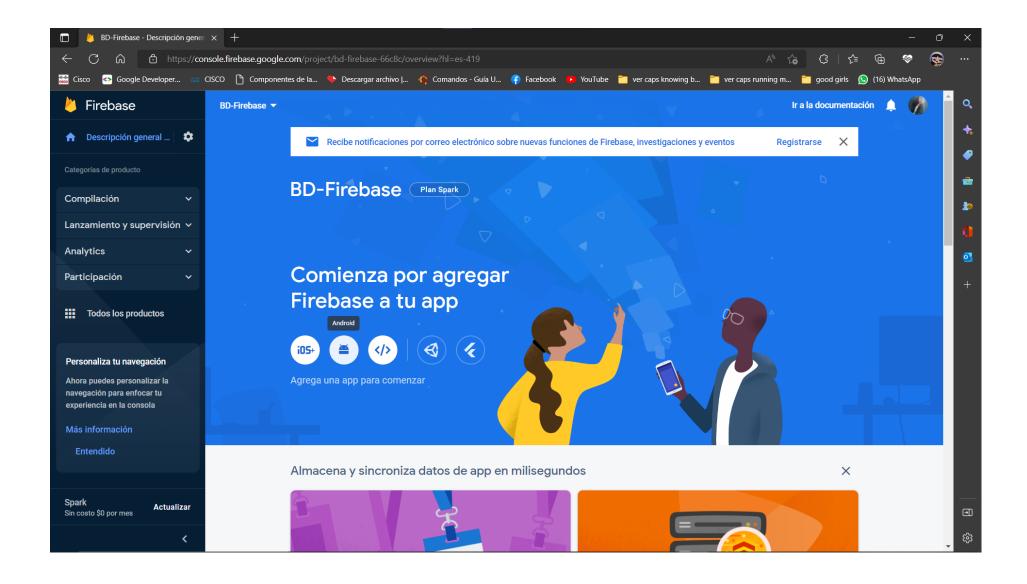


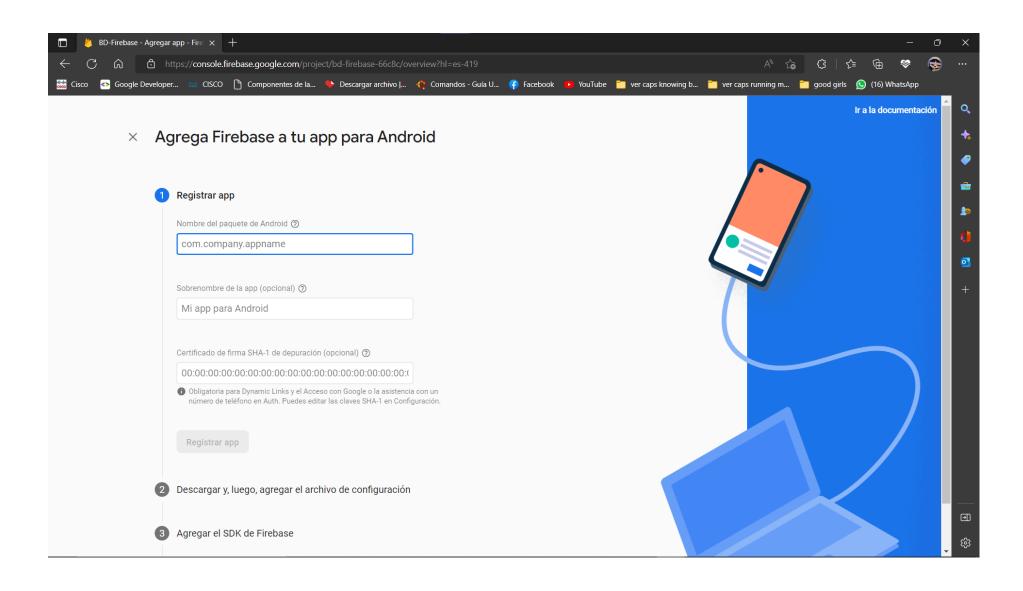


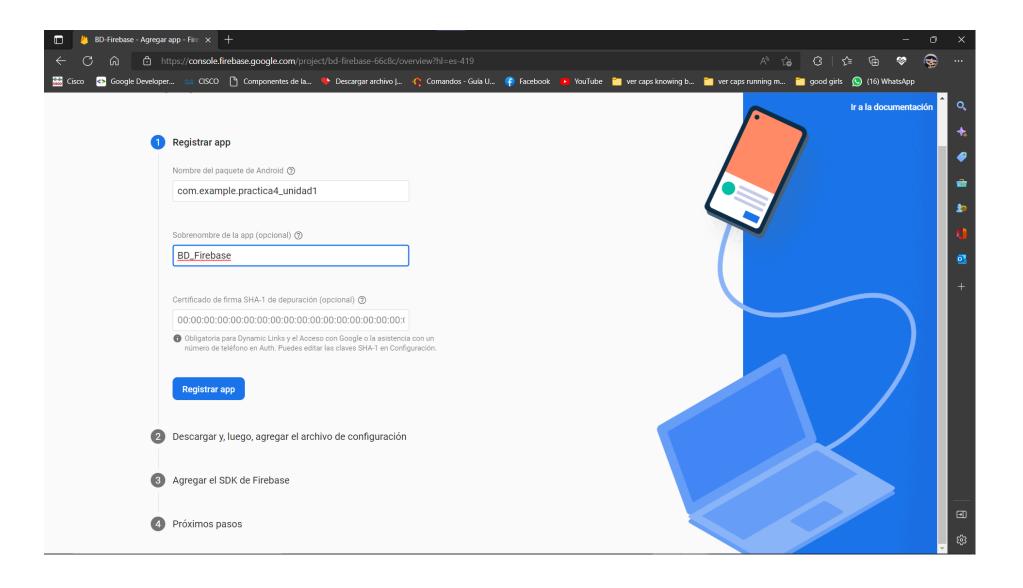


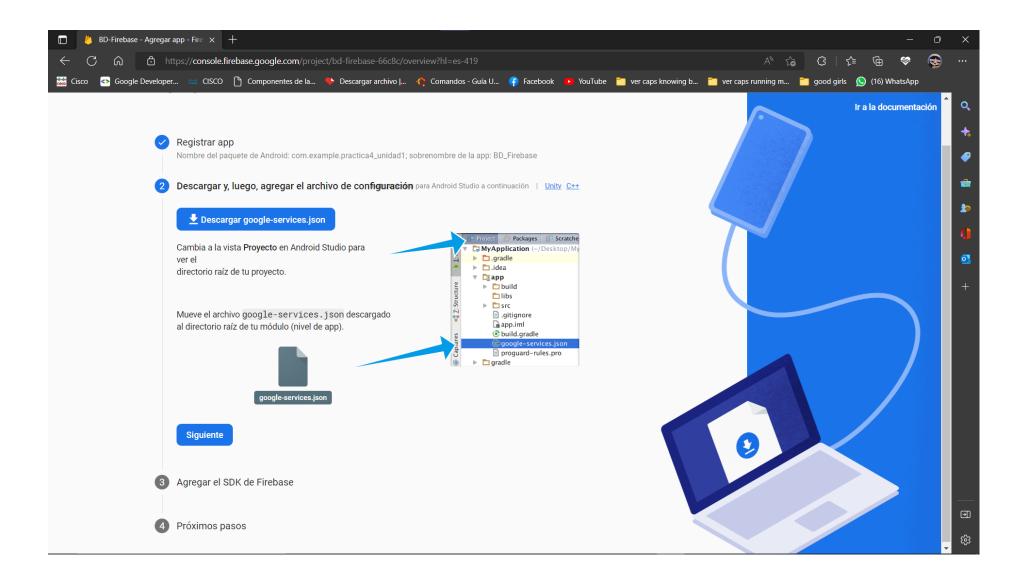












## .XML

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
  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">
  <TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout height="wrap content"
    android:fontFamily="sans-serif-black"
    android:text="N Control"
    android:textColor="#000000"
    android:textSize="16sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
```

```
app:layout_constraintHorizontal_bias="0.073"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.067" />

<TextView
android:id="@+id/textView2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:fontFamily="sans-serif-black"
android:text="Nombre"
android:textColor="#000000"
```

app:layout constraintBottom toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout constraintHorizontal bias="0.083"

app:layout\_constraintStart\_toStartOf="parent"

app:layout constraintTop toTopOf="parent"

app:layout\_constraintVertical\_bias="0.165" />

android:textSize="16sp"

```
<TextView
  android:id="@+id/textView3"
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:fontFamily="sans-serif-black"
  android:text="Semestre "
  android:textColor="#000000"
  android:textSize="16sp"
  app:layout constraintBottom toBottomOf="parent"
  app:layout constraintEnd toEndOf="parent"
  app:layout_constraintHorizontal_bias="0.11"
  app:layout constraintStart toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout constraintVertical bias="0.272" />
<TextView
  android:id="@+id/textView4"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:fontFamily="sans-serif-black"
```

```
android:text="Carrera"
  android:textColor="#000000"
  android:textSize="16sp"
  app:layout_constraintBottom_toBottomOf="parent"
  app:layout constraintEnd toEndOf="parent"
  app:layout_constraintHorizontal_bias="0.085"
  app:layout constraintStart toStartOf="parent"
  app:layout constraintTop toTopOf="parent"
  app:layout_constraintVertical_bias="0.389" />
<EditText
  android:id="@+id/ed1"
  android:layout_width="wrap_content"
  android:layout height="wrap content"
  android:ems="7"
  android:inputType="textPersonName"
  android:textColor="#0C0C0C"
  app:layout constraintBottom toBottomOf="parent"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout constraintHorizontal bias="0.781"
```

```
app:layout constraintStart toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout constraintVertical bias="0.036"
  tools:ignore="TouchTargetSizeCheck,SpeakableTextPresentCheck" />
<Button
  android:id="@+id/button3"
  android:layout width="120dp"
  android:layout height="50dp"
  android:onClick="altas"
  android:text="Registrar"
  app:layout constraintBottom toBottomOf="parent"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout constraintHorizontal bias="0.096"
  app:layout_constraintStart_toStartOf="parent"
  app:layout constraintTop toTopOf="parent"
  app:layout_constraintVertical_bias="0.734" />
<Button
  android:id="@+id/button7"
```

```
style="@style/Widget.AppCompat.Button.Colored"
  android:layout width="119dp"
  android:layout height="38dp"
  android:background="#779797"
  android:backgroundTint="#6E3434"
  android:onClick="limpiar"
  android:shadowColor="#601919"
  android:text="Limpiar"
  app:layout constraintBottom toBottomOf="parent"
  app:layout constraintEnd toEndOf="parent"
  app:layout_constraintHorizontal_bias="0.945"
  app:layout_constraintStart_toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout constraintVertical bias="0.725"
  tools:ignore="TextContrastCheck,TextContrastCheck,TouchTargetSizeCheck" />
<EditText
  android:id="@+id/ed2"
  android:layout_width="wrap_content"
  android:layout height="wrap content"
```

```
android:ems="10"
android:inputType="textPersonName"
android:textColor="#0B0A0A"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.716"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.137"
tools:ignore="TouchTargetSizeCheck,SpeakableTextPresentCheck" />
```

## <EditText android:id="@+id/ed3" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:ems="10" android:inputType="textPersonName" app:layout\_constraintBottom\_toBottomOf="parent"

```
app:layout constraintEnd toEndOf="parent"
  app:layout constraintHorizontal bias="0.716"
  app:layout constraintStart toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout constraintVertical bias="0.392"
  tools:ignore="TouchTargetSizeCheck,SpeakableTextPresentCheck,SpeakableTextPresentCheck" />
<EditText
  android:id="@+id/ed4"
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:ems="10"
  android:inputType="textPersonName"
  app:layout constraintBottom toBottomOf="parent"
  app:layout_constraintEnd_toEndOf="parent"
  app:layout constraintHorizontal bias="0.716"
  app:layout_constraintStart_toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout_constraintVertical_bias="0.271"
  tools:ignore="SpeakableTextPresentCheck,TouchTargetSizeCheck" />
```

```
<TextView
  android:id="@+id/textView5"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:fontFamily="sans-serif-black"
  android:text="Edad"
  android:textColor="#000000"
  android:textSize="16sp"
  app:layout_constraintBottom_toBottomOf="parent"
  app:layout constraintEnd toEndOf="parent"
  app:layout_constraintHorizontal_bias="0.085"
  app:layout constraintStart toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout constraintVertical bias="0.489" />
<EditText
  android:id="@+id/ed5"
  android:layout width="wrap content"
```

```
android:layout height="wrap content"
  android:ems="10"
  android:inputType="textPersonName"
  app:layout constraintBottom toBottomOf="parent"
  app:layout constraintEnd toEndOf="parent"
  app:layout constraintHorizontal bias="0.716"
  app:layout constraintStart toStartOf="parent"
  app:layout constraintTop toTopOf="parent"
  app:layout constraintVertical bias="0.492"
  tools:ignore="TouchTargetSizeCheck,SpeakableTextPresentCheck,SpeakableTextPresentCheck" />
<TextView
  android:id="@+id/textView6"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:fontFamily="sans-serif-black"
  android:text="Correo"
  android:textColor="#000000"
  android:textSize="16sp"
  app:layout constraintBottom toBottomOf="parent"
```

```
app:layout constraintEnd toEndOf="parent"
  app:layout constraintHorizontal bias="0.085"
  app:layout constraintStart toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout constraintVertical bias="0.589" />
<EditText
  android:id="@+id/ed6"
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:ems="10"
  android:inputType="textPersonName"
  app:layout_constraintBottom_toBottomOf="parent"
  app:layout constraintEnd toEndOf="parent"
  app:layout constraintHorizontal bias="0.716"
  app:layout constraintStart toStartOf="parent"
  app:layout_constraintTop_toTopOf="parent"
  app:layout constraintVertical bias="0.592"
  tools:ignore="TouchTargetSizeCheck,SpeakableTextPresentCheck,SpeakableTextPresentCheck" />
```

```
<TextView
     android:id="@+id/textView7"
     android:layout width="wrap content"
     android:layout height="wrap content"
     android:fontFamily="sans-serif-black"
     android:text="Paola Sánchez Luna"
     android:textColor="#000000"
     android:textSize="16sp"
     app:layout constraintBottom toBottomOf="parent"
     app:layout constraintEnd toEndOf="parent"
     app:layout constraintHorizontal bias="0.485"
     app:layout constraintStart toStartOf="parent"
     app:layout_constraintTop_toTopOf="parent"
     app:layout constraintVertical bias="0.959" />
</androidx.constraintlayout.widget.ConstraintLayout>
                                                    .JAVA
package com.example.practica4_unidad1;
import androidx.appcompat.app.AppCompatActivity;
import android.content.ContentValues;
import android.content.Intent;
```

```
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
  EditText ed1,ed2,ed3,ed4,ed5,ed6;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
     super.onCreate(savedInstanceState);
     setContentView(R.layout.activity_main);
     ed1=findViewById(R.id.ed1);
     ed2=findViewById(R.id.ed2);
     ed3=findViewById(R.id.ed3);
     ed4=findViewById(R.id.ed4);
     ed5=findViewById(R.id.ed5);
     ed6=findViewById(R.id.ed6);
```

```
public void altas(View view )
          AdminSQLiteOpenHelper admin= new AdminSQLiteOpenHelper(this,"administracion",null,1);//crear tabla
informacion para base de datos
    SQLiteDatabase bd = admin.getWritableDatabase();
    String dni= ed1.getText().toString();//nControl
    String nombre=ed2.getText().toString();
    String semestre=ed3.getText().toString();
    String carrera=ed4.getText().toString();
    String edad=ed5.getText().toString();
    String correo=ed6.getText().toString();
    ContentValues registro = new ContentValues();
    registro.put("nControl",dni);
    registro.put("nombre",nombre);
    registro.put("Semestre",semestre);
    registro.put("carrera",carrera);
    registro.put("edad",edad);
    registro.put("correo",correo);
    bd.insert("usuario",null,registro);
    bd.close();
```

```
Toast.makeText(this," Tus datos del usuario estan cargados",Toast.LENGTH SHORT).show();
  Toast.makeText(this,"N Control "+dni,Toast.LENGTH SHORT).show();
  Toast.makeText(this,"Nombre "+nombre,Toast.LENGTH SHORT).show();
  Toast.makeText(this, "Semestre "+semestre, Toast.LENGTH SHORT).show();
  Toast.makeText(this,"Carrera "+carrera,Toast.LENGTH SHORT).show();
  Toast.makeText(this,"edad "+edad,Toast.LENGTH SHORT).show();
  Toast.makeText(this, "Correo "+correo, Toast.LENGTH SHORT).show();
// this.limpiar();
public void limpiar()
  ed1.setText("");
  ed2.setText("");
  ed3.setText("");
  ed4.setText("");
  ed5.setText("");
  ed6.setText("");
public void limpiar(View view)
```

```
this.limpiar();
}
```