UNIVERSIDAD DE COLIMA

Universidad de Colima

Facultad de Telemática

Ingeniería de software

Programación de Móviles

Realizar Peticiones Http Con La Librería Volley En Android

Segunda parcial

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5°D

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bg_rounded.xml

```
<shape xmlns:android="http://schemas.android.com/apk/res/android">
    <stroke
        android:width="3dp"
        android:color="#E91E63" />
    <solid android:color="#F7F6F6" />
    <corners
        android:radius="5dp"
        android:topRightRadius="24dp"
        android:bottomLeftRadius="24dp"/>
</shape>
```

botonredondeado.xml

```
<shape xmlns:android="http://schemas.android.com/apk/res/android">
    <stroke
        android:width="3dp"
        android:color="#F76897" />
    <solid android:color="#E91E63" />
    <corners
        android:radius="5dp"
        android:topRightRadius="24dp"
        android:topLeftRadius="24dp"
        android:bottomLeftRadius="24dp"
        android:bottomRightRadius="24dp"/>
</shape>
```

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="match_parent"
        android:layout_height="match_parent"
        android:background="#FFFF"
        android:orientation="vertical" >

        <TextView
            android:id="@+id/textView"
            android:background="#E91E63"
            android:textColor="#ffff"
            android:textAlignment="center"
            android:layout_width="match_parent"
            android:gravity="center"
            android:layout_height="80dp"
            android:text="Iniciar Sesión"
```

```
        android:textAppearance="@style/TextAppearance.AppCompat.Large"  />

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="150dp"
        android:layout_height="200dp"
        android:layout_gravity="center"
        android:paddingTop="15dp"

        app:srcCompat="@drawable/usuario"  />

    <EditText
        android:id="@+id/editText"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_margin="30dp"
        android:background="@drawable/bg_rounded"
        android:ems="10"
        android:gravity="center"
        android:hint="USUARIO"
        android:inputType="textPersonName"
        android:padding="15dp"
        android:textAppearance="@style/TextAppearance.AppCompat.Medium"  />

    <EditText
        android:id="@+id/editText2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_marginLeft="30dp"
        android:layout_marginRight="30dp"
        android:background="@drawable/bg_rounded"
        android:ems="10"
        android:gravity="center"
        android:hint="CONTRASEÑA"
        android:inputType="textPassword"
        android:padding="15dp"
        android:textAppearance="@style/TextAppearance.AppCompat.Medium"  />

    <CheckBox
        android:id="@+id/checkBox"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="30dp"
        android:layout_marginTop="20dp"
        android:layout_marginRight="30dp"
        android:layout_marginBottom="20dp"
        android:gravity="right"
        android:text="Recordarme"
        android:textAppearance="@style/TextAppearance.AppCompat.Medium"
        android:textColor="#E91E63"  />

    <Button
        android:id="@+id/button"
```

```
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="30dp"
            android:layout_marginRight="30dp"
            android:background="@drawable/botonredondeado"
            android:bottomLeftRadius="10dp"
            android:bottomRightRadius="10dp"
            android:text="ENTRAR"
            android:textAppearance="@style/TextAppearance.AppCompat.Medium"
            android:textColor="#ffff"
            android:topLeftRadius="10dp"
            android:topRightRadius="10dp"  />

        <Button
            android:id="@+id/button2"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="30dp"
            android:layout_marginTop="10dp"
            android:layout_marginRight="30dp"
            android:background="@drawable/botonredondeado"
            android:bottomLeftRadius="10dp"
            android:bottomRightRadius="10dp"
            android:text="REGISTRATE"
            android:textAppearance="@style/TextAppearance.AppCompat.Medium"
            android:textColor="#ffff"
            android:topLeftRadius="10dp"
            android:topRightRadius="10dp"  />

        <ProgressBar
            android:id="@+id/progressBar1"
            style="?android:attr/progressBarStyle"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:indeterminateOnly="true"
            android:keepScreenOn="true" />

    </LinearLayout>

</androidx.constraintlayout.widget.ConstraintLayout>
```

Activity_registrarme.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=".Registrarme">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">
```

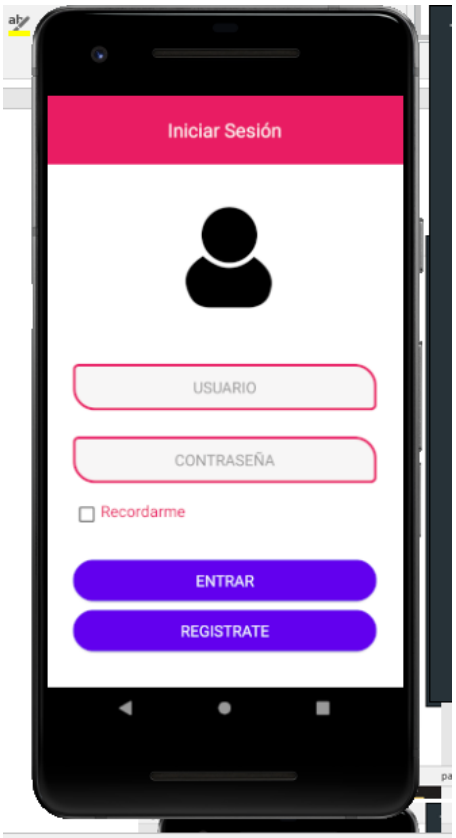
```
        <TextView
            android:id="@+id/textView2"
            android:layout_width="match_parent"
            android:layout_height="80dp"
            android:background="#E91E63"
            android:gravity="center"
            android:text="Inicia tu registro"
            android:textAlignment="center"
            android:textAppearance="@style/TextAppearance.AppCompat.Large"
            android:textColor="#ffff" />
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:orientation="vertical"
            android:padding="30dp">
            <TextView
                android:id="@+id/textView3"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:text="Nombre Completo"
                android:textAppearance="@style/TextAppearance.AppCompat.Medium"
/>
            <EditText
                android:id="@+id/nombreCompleto"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:ems="10"
                android:inputType="textPersonName"
                android:textAppearance="@style/TextAppearance.AppCompat.Medium"
/>
            <TextView
                android:id="@+id/textView4"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:text="Usuario"
                android:textAppearance="@style/TextAppearance.AppCompat.Medium"
/>
            <EditText
                android:id="@+id/usuario"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:ems="10"
                android:inputType="textPersonName"
                android:textAppearance="@style/TextAppearance.AppCompat.Medium"
/>
            <TextView
                android:id="@+id/textView5"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:text="Contraseña"
                android:textAppearance="@style/TextAppearance.AppCompat.Medium"
/>
            <EditText
                android:id="@+id/contrasena"
                android:layout_width="match_parent"
```

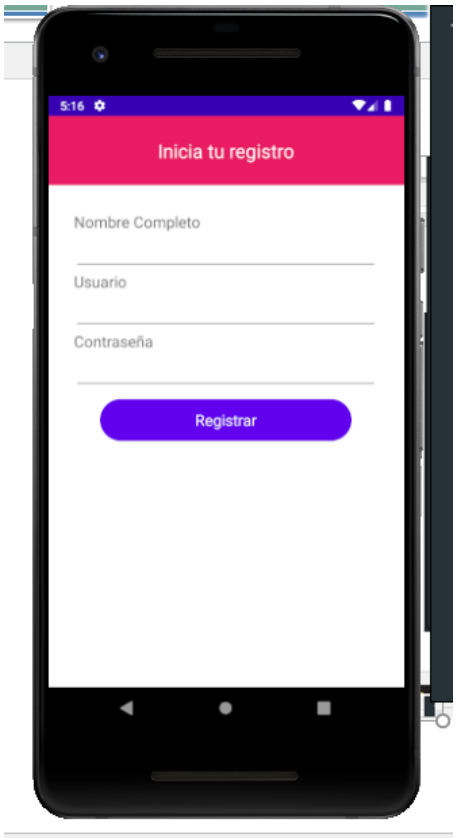
```
                android:layout_height="wrap_content"
                android:ems="10"
                android:inputType="textPassword"
                android:textAppearance="@style/TextAppearance.AppCompat.Medium"
/>
            <Button
                android:id="@+id/button3"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_marginLeft="30dp"
                android:layout_marginRight="30dp"
                android:layout_marginTop="10dp"
                android:textColor="#ffff"
                android:background="@drawable/botonredondeado"
                android:text="Registrar"
                android:textAppearance="@style/TextAppearance.AppCompat.Medium"
/>
        </LinearLayout>
    </LinearLayout>

</androidx.constraintlayout.widget.ConstraintLayout>
```

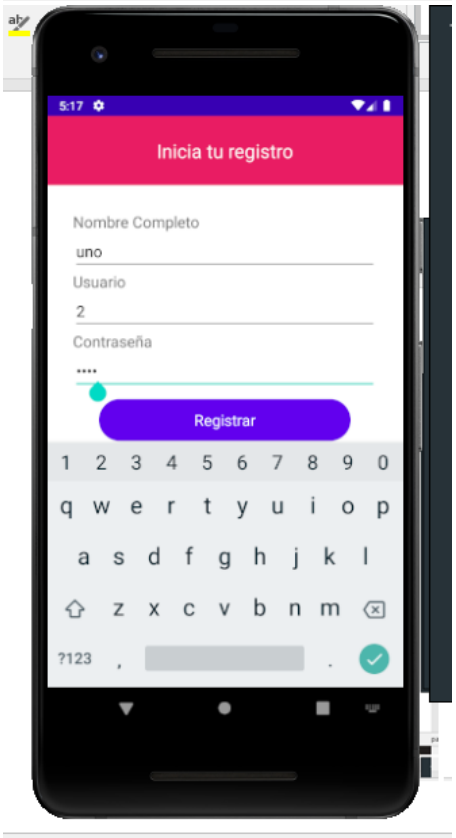
Activity_inicio.xml

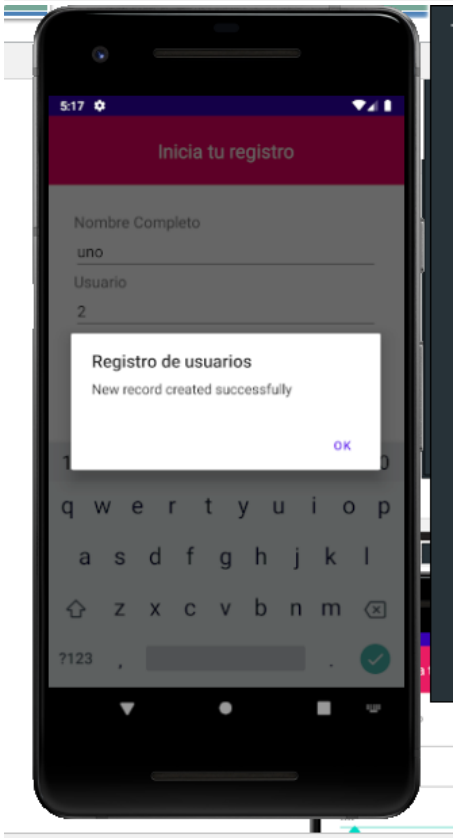
```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Inicio">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">
        <TextView
            android:background="#E91E63"
            android:textColor="#ffff"
            android:textAlignment="center"
            android:layout_width="match_parent"
            android:gravity="center"
            android:layout_height="80dp"
            android:text="Menu principal"
            android:textAppearance="@style/TextAppearance.AppCompat.Large" />
    </LinearLayout>

</androidx.constraintlayout.widget.ConstraintLayout>
```

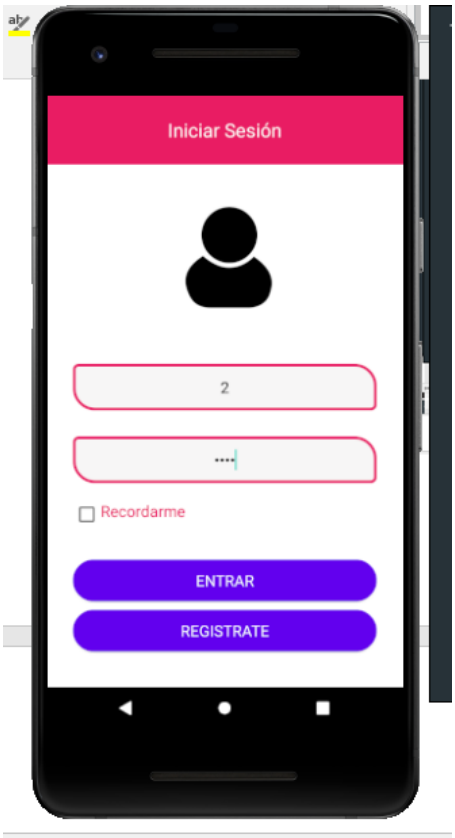
Interfaz

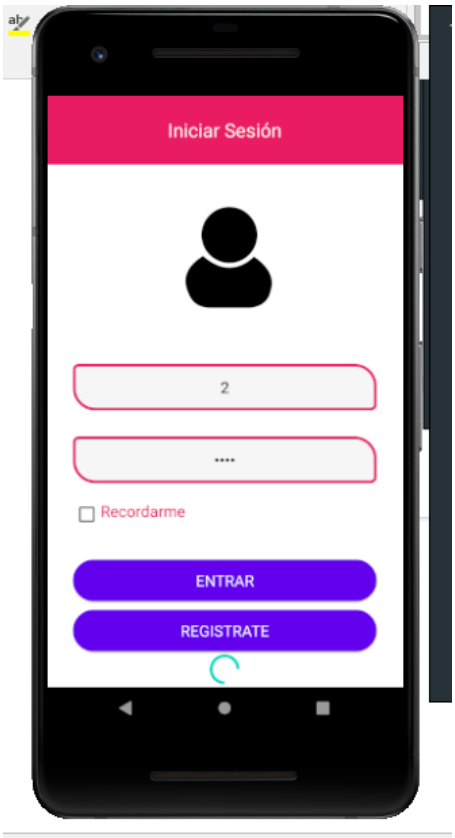

Iniciar Sesión
USUARIO
CONTRASEÑA
Recordarme
ENTRAR
REGISTRATE

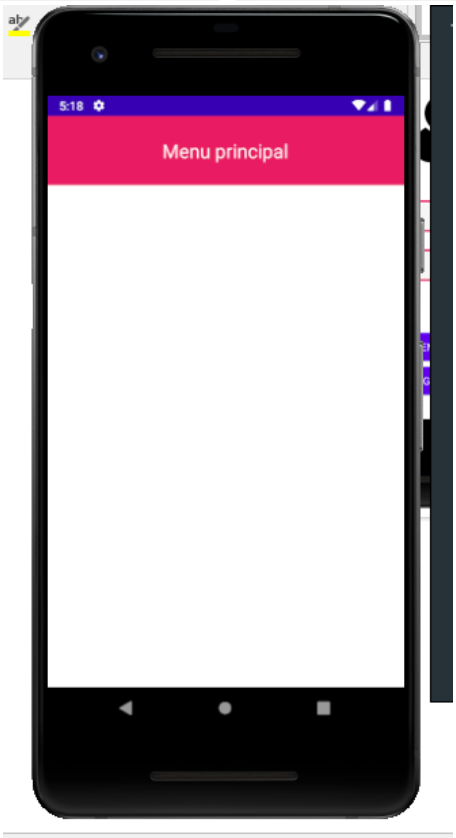

5:16
Inicia tu registro
Nombre Completo
Usuario
Contraseña
Registrar


5:17
Inicia tu registro
Nombre Completo
uno
Usuario
2
Contraseña
Registrar


5:17
Inicia tu registro
Nombre Completo
uno
Usuario
2
Registro de usuarios
New record created successfully
OK


Iniciar Sesión
2
Recordarme
ENTRAR
REGISTRATE


Iniciar Sesión
2
Recordarme
ENTRAR
REGISTRATE


5:18
Menu principal

MainActivity.kt

```
package com.example.peticioneshttp

import android.content.Context
import android.content.DialogInterface
import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.view.View
import android.view.Window
import android.view.WindowManager
import androidx.appcompat.app.AlertDialog
import com.android.volley.Response
import com.android.volley.Request
import com.android.volley.toolbox.StringRequest
import com.android.volley.toolbox.Volley
import kotlinx.android.synthetic.main.activity_main.*
import org.json.JSONArray
import org.json.JSONObject

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        window.setFlags(
            WindowManager.LayoutParams.FLAG_FULLSCREEN,
            WindowManager.LayoutParams.FLAG_FULLSCREEN)
        setContentView(R.layout.activity_main)

        //Ocultar la barra de acciones
        val actionBar = supportActionBar
        actionBar?.hide()
        //Acultar la barra de progreso
        progressBar1.visibility= View.GONE

        //Cargar los datos del usuario
        val preferencias = getSharedPreferences("datos", Context.MODE_PRIVATE)
        editText.setText(preferencias.getString("usuario", ""))
        editText2.setText(preferencias.getString("contrasena", ""))
        //Si hay datos activar recordar
        if (preferencias.getString("usuario", "")!="")
            checkBox.isChecked=true

        //si pulsamos en el boton de registrar
        button2.setOnClickListener {
            val intento2= Intent(this,Registrarme::class.java)
            startActivity(intento2)
        }

        //Si pulsamos en el boton de entrar
        button.setOnClickListener {
            progressBar1.visibility= View.VISIBLE;
            // Instantiate the RequestQueue.
```

```
            val queue = Volley.newRequestQueue(this)
            val url: String =
"https://cursodemoviles.000webhostapp.com/logina.php?usuario=${editText.text}&co
ntrasena=${editText2.text}"
            //textView.text=url.toString()
            // Request a string response from the provided URL.
            val stringReq = StringRequest(Request.Method.GET, url,
                Response.Listener<String> { response ->
                    progressBar1.visibility= View.GONE;
                    var strResp = response.toString()
                    val jsonObj: JSONObject = JSONObject(strResp)
                    val jsonArray: JSONArray = jsonObj.getJSONArray("records")
                    if (jsonArray.length()==0)
                    {
                        Alerta("Usuarios","No esta registrado este usuario!")
                    }
                    else
                    {
                        if(checkBox.isChecked)
                        {
                            val editor = preferencias.edit()
                            editor.putString("usuario",
editText.text.toString())
                            editor.putString("contrasena",
editText2.text.toString())
                            editor.commit()
                        }else
                        {
                            val editor = preferencias.edit()
                            editor.putString("usuario", "")
                            editor.putString("contrasena", "")
                            editor.commit()
                        }
                        val intento1 = Intent(this, Inicio::class.java)
                        startActivity(intento1)
                    }
                    /*var str_user: String = ""
                    for (i in 0 until jsonArray.length()) {
                        var jsonInner: JSONObject = jsonArray.getJSONObject(i)
                       str_user = str_user + "\n" + jsonInner.get("usuario")
                    }
                    textView!!.text = "response : $str_user "*/
                },
                Response.ErrorListener {
                    progressBar1.visibility= View.GONE;
                    Alerta("Red","Problemas con el Internet")
                })
            queue.add(stringReq)
        }
    }

    fun Alerta(Titulo:String, Mensaje:String)
    {
        val dialogBuilder = AlertDialog.Builder(this)
        // set message of alert dialog
```

```
        dialogBuilder.setMessage(Mensaje)
            // if the dialog is cancelable
            .setCancelable(false)
            // positive button text and action
            .setPositiveButton("OK", DialogInterface.OnClickListener {
                    dialog, id -> dialog.cancel()
            })
        // create dialog box
        val alert = dialogBuilder.create()
        // set title for alert dialog box
        alert.setTitle(Titulo)
        // show alert dialog
        alert.show()
    }
}
```

Registrarme.kt

```
package com.example.peticioneshttp

import android.content.DialogInterface
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import androidx.appcompat.app.AlertDialog
import com.android.volley.Request
import com.android.volley.Response
import com.android.volley.toolbox.StringRequest
import com.android.volley.toolbox.Volley
import kotlinx.android.synthetic.main.activity_registrarme.*

class Registrarme : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_registrarme)

        //Ocultar la barra de acciones
        val actionBar = supportActionBar
        actionBar?.hide()

        //Acultar la barra de progreso
        button3.setOnClickListener {
            val queue = Volley.newRequestQueue(this)
            val url: String =
"https://cursodemoviles.000webhostapp.com/agregar.php?usuario=${usuario.text}&co
ntrasena=${contrasena.text}&nombre=${nombreCompleto.text}"
            //textView.text=url.toString()

            // Request a string response from the provided URL.
            val stringReq = StringRequest(
                    Request.Method.GET, url,
                    Response.Listener<String> { response ->
                        var strResp = response.toString()
                        if (strResp=="")
                        {
```

```
                            Alerta("Usuarios","No se pudo registrar!")
                        }
                        else
                        {
                            val dialogBuilder = AlertDialog.Builder(this)
                            // set message of alert dialog
                            dialogBuilder.setMessage(strResp)
                                    // if the dialog is cancelable
                                    .setCancelable(false)
                                    // positive button text and action
                                    .setPositiveButton("OK",
DialogInterface.OnClickListener {
                                        dialog, id -> finish()
                                    })
                            // create dialog box
                            val alert = dialogBuilder.create()
                            // set title for alert dialog box
                            alert.setTitle("Registro de usuarios")
                            // show alert dialog
                            alert.show()
                        }
                    },
                    Response.ErrorListener {
                        Alerta("Red","Problemas con el Internet")
                    })
            queue.add(stringReq)
        }
    }
    fun Alerta(Titulo:String, Mensaje:String)
    {
        val dialogBuilder = AlertDialog.Builder(this)
        // set message of alert dialog
        dialogBuilder.setMessage(Mensaje)
                // if the dialog is cancelable
                .setCancelable(false)
                // positive button text and action
                .setPositiveButton("OK", DialogInterface.OnClickListener {
                    dialog, id -> dialog.cancel()
                })
        // create dialog box
        val alert = dialogBuilder.create()
        // set title for alert dialog box
        alert.setTitle(Titulo)
        // show alert dialog
        alert.show()
    }
}
```

Inicio.kt

```
package com.example.peticioneshttp

import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
```

```kotlin
import com.android.volley.toolbox.Volley
import kotlinx.android.synthetic.main.activity_main.*

class Inicio : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_inicio)
        val actionBar = supportActionBar

        actionBar?.hide()

    }
}
```