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Course : Mobile Application LAB 11

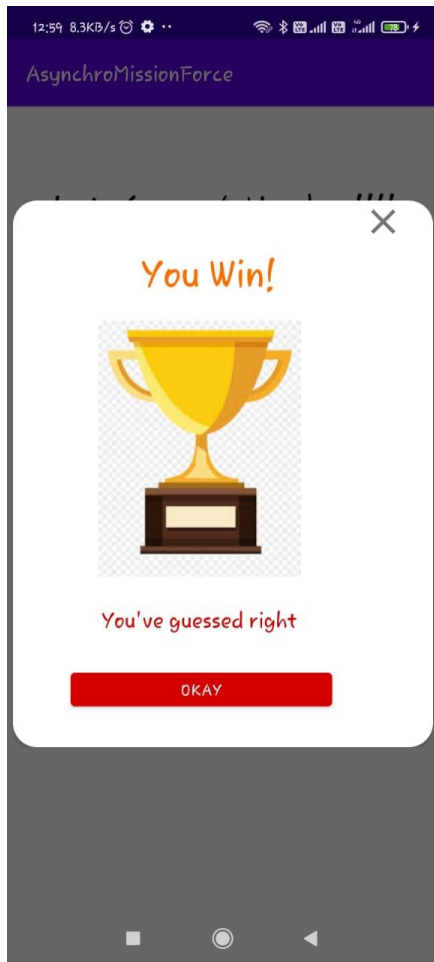
1.



2.



3.



CODES:

1. 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">

    <com.airbnb.lottie.LottieAnimationView
        android:id="@+id/animation_view"
        android:layout_width="347dp"
        android:layout_height="455dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.6"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.248"
        app:lottie_autoPlay="true"
        app:lottie_fileName="loading.json"
        app:lottie_loop="true"
        tools:ignore="MissingConstraints" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="206dp"
        android:layout_height="50dp"
        android:gravity="center"
        android:text="from "

        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/animation_view" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="206dp"
        android:layout_height="50dp"
        android:gravity="center"
        android:text="FACEBOOK "
        android:textColor="#000"
        android:textStyle="bold"
        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.502"
        app:layout_constraintStart_toStartOf="parent"
```

```
app:layout_constraintTop_toBottomOf="@+id/textView"  
app:layout_constraintVertical_bias="0.0" />
```

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

2. Activity_Main2.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=".MainActivity2">

    <TextView
        android:id="@+id/textView3"
        android:layout_width="370dp"
        android:layout_height="62dp"
        android:text="Lets Guess A Number!!!!"
        android:textSize="30sp"
        android:gravity="center"
        android:textStyle="bold|italic"
        android:textColor="#000"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.086" />

    <EditText
        android:id="@+id/editText"
        android:layout_width="230dp"
        android:layout_height="40dp"
        android:layout_below="@+id/textView"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.269" />

    <Button
        android:id="@+id/button"
        android:layout_width="230dp"
        android:layout_height="40dp"
        android:backgroundTint="#D50000"
        android:text="Play"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.387" />

    <com.airbnb.lottie.LottieAnimationView
        android:id="@+id/animation_view"
        android:layout_width="264dp"
```

```
android:layout_height="206dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.496"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.775"
app:lottie_autoPlay="true"
app:lottie_fileName="paperplane.json"
app:lottie_loop="true"
tools:ignore="MissingConstraints" />
```

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

3.Win_Layout.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="350dp"
    android:layout_height="wrap_content"
    android:layout_gravity="center">

    <androidx.cardview.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        app:cardCornerRadius="20dp">

        <androidx.constraintlayout.widget.ConstraintLayout
            android:layout_width="326dp"
            android:layout_height="455dp">

            <TextView
                android:id="@+id/textView5"
                android:layout_width="172dp"
                android:layout_height="49dp"
                android:gravity="center"
                android:text="You Win!"
                android:textColor="#FF6D00"
                android:textSize="35sp"
                android:textStyle="bold"
                app:layout_constraintBottom_toBottomOf="parent"
                app:layout_constraintEnd_toEndOf="parent"
                app:layout_constraintStart_toStartOf="parent"
                app:layout_constraintTop_toTopOf="parent"
                app:layout_constraintVertical_bias="0.086" />

            <ImageView
                android:id="@+id/imageView"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                app:layout_constraintBottom_toBottomOf="parent"
                app:layout_constraintEnd_toEndOf="parent"
                app:layout_constraintHorizontal_bias="1.0"
                app:layout_constraintStart_toStartOf="parent"
                app:layout_constraintTop_toTopOf="parent"
                app:layout_constraintVertical_bias="0.0"
                app:srcCompat="@drawable/close_24"
                tools:ignore="VectorDrawableCompat" />

            <ImageView
                android:id="@+id/imageView2"
                android:layout_width="221dp"
```

```

        android:layout_height="213dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.428"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.413"
        app:srcCompat="@drawable/images" />

<TextView
    android:id="@+id/textView6"
    android:layout_width="220dp"
    android:layout_height="45dp"
    android:gravity="center"
    android:text="You've guessed right"
    android:textColor="#D50000"
    android:textSize="20sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.424"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.795" />

<Button
    android:id="@+id/buttonok"
    android:layout_width="218dp"
    android:layout_height="40dp"
    android:text="OKAY"
    android:backgroundTint="#D50000"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.444"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView6"
    app:layout_constraintVertical_bias="0.363" />
</androidx.constraintlayout.widget.ConstraintLayout>
</androidx.cardview.widget.CardView>
</androidx.constraintlayout.widget.ConstraintLayout>

```


4. MENU.XML

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android"
      xmlns:app="http://schemas.android.com/apk/res-auto">
  <item android:title="Github"
        android:id="@+id/git"
        android:orderInCategory="100"
        app:showAsAction="always"
        android:icon="@drawable/github"/>
</menu>
```

JAVA CODES:

1. Main_Activity.java

```
package com.example.asynchromissionforce;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;

import java.util.Timer;
import java.util.TimerTask;

public class MainActivity extends AppCompatActivity {
    Timer timer;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        timer=new Timer();
        timer.schedule(new TimerTask() {
            @Override
            public void run() {
                Intent intent =new Intent(getApplicationContext(),MainActivity2.class);
                startActivity(intent);
            }
        },5000);
    }
}
```

2. Main_Activity2.java

```
package com.example.asynchromissionforce;

import androidx.appcompat.app.AppCompatActivity;

import android.app.Dialog;
import android.content.Context;
import android.graphics.Color;
import android.graphics.drawable.ColorDrawable;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageView;

import java.util.Random;

public class MainActivity2 extends AppCompatActivity {

    Context context;
    EditText editText;
    Button button;
    Dialog dialog;
    int arr[]={1,23,43,45,46,22,12,56,67,55};
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        this.context = this;
        editText = (EditText) findViewById(R.id.editText);
        button = (Button) findViewById(R.id.button);
        dialog = new Dialog(this);

        Random rn = new Random();
        int answer = rn.nextInt(10) + 1;

        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if(editText != null && editText.length() > 0) {
                    new
SimpleAsyncTask(context).execute(editText.getText().toString());
//                for(int i=0;i<arr.length;i++){
//                    if(answer==arr[i]){
//                        openWinDialog();
//                    }
//                    else{
//                        //openLoseDialog();
//                        openWinDialog();
//                    }
//                }
//            }
        }
```

```

        }
    }
});

//      for(int i =0; i < 100; i++)
//      {
//          int answer = rn.nextInt(10) + 1;
//          //System.out.println(answer);
//      }
}

public void openWinDialog(){
    dialog.setContentView(R.layout.win_layout_dialog);
    dialog.getWindow().setBackgroundDrawable(new ColorDrawable(Color.TRANSPARENT));

    Button button = findViewById(R.id.buttonok);
    dialog.show();

}

public void openLoseDialog(){

}

}

```

3. SimpleAysnc.java

```
package com.example.asynchromissionforce;

import android.app.ProgressDialog;
import android.content.Context;
import android.os.AsyncTask;
import android.util.Log;
import android.widget.TextView;
import android.widget.Toast;

import java.util.Random;

public class SimpleAsyncTask extends AsyncTask<String, String, String> {
    Context context;
    String result;
    ProgressDialog progressDialog;
    public SimpleAsyncTask (Context context) {
        this.context = context;
    }
    @Override
    protected void onPreExecute() {
        super.onPreExecute();
        progressDialog = ProgressDialog.show(context,
            "Result is .....", null);
    }
    @Override
    protected String doInBackground(String... args) {
        // int value = Integer.parseInt(args[0]);
        for(int i = 0; i <= 5 ;i++){
            try {
                Thread.sleep(1000);
            } catch (Exception e) {
                Log.v("Error: ", e.toString());
            }
            result = "Please wait for " + (5 - i ) + " seconds";
            publishProgress(result);
        }
        return null;
    }

    @Override
    protected void onProgressUpdate(String... text) {
        progressDialog.setMessage(text[0]);
    }
    protected void onPostExecute(String result) {
        progressDialog.dismiss();
    }
}
```