**Practical No.18**

**Aim:** Program for simple Animation activity in android.

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**Class:** BCA-III Sem-V

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**Code:**

**MainActivity.java**

package com.androidcoding.progressdialog;  
import android.app.ProgressDialog;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import androidx.activity.EdgeToEdge;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.graphics.Insets;  
import androidx.core.view.ViewCompat;  
import androidx.core.view.WindowInsetsCompat;  
  
public class MainActivity extends AppCompatActivity {  
 Button btStart;  
 ProgressDialog progressDialog;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 EdgeToEdge.*enable*(this);  
 setContentView(R.layout.*activity\_main*);  
 btStart=findViewById(R.id.*bt\_start*);  
 btStart.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 progressDialog=new ProgressDialog(MainActivity.this);  
 progressDialog.show();  
 progressDialog.setContentView(R.layout.*progress\_dialog*);  
 progressDialog.getWindow().setBackgroundDrawableResource(  
 android.R.color.*transparent* );  
 }  
 });  
  
 }  
  
 @Override  
 public void onBackPressed() {  
 progressDialog.dismiss();  
 }  
}

**activity.main.xml**

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout  
 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:id="@+id/main"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/bt\_start"  
 android:text="@string/start"  
 android:layout\_centerInParent="true"/>  
</RelativeLayout>

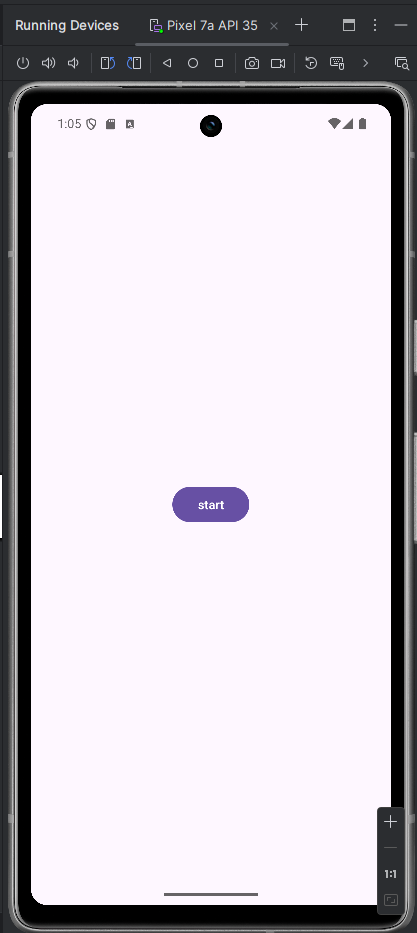
**Progress.dialog.xml**

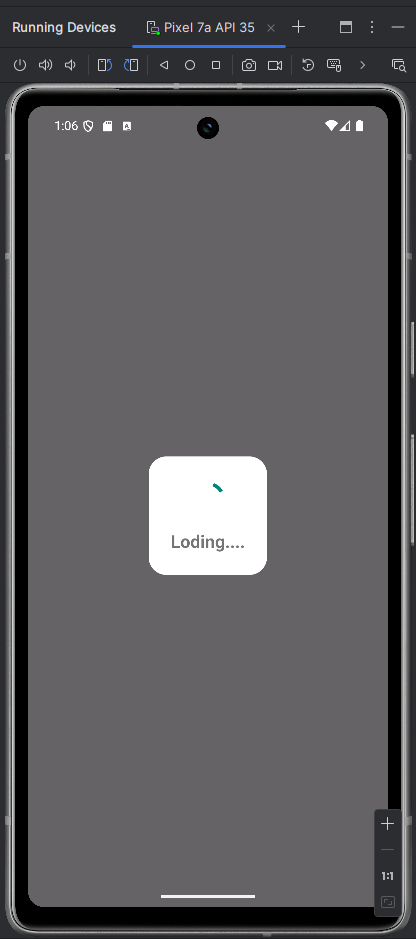
<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:gravity="center">  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 android:gravity="center"  
 android:padding="25dp"  
 android:background="@drawable/bg\_round">  
 <ProgressBar  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 />  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Loding...."  
 android:textSize="20sp"  
 android:textStyle="bold"  
 android:layout\_marginTop="10dp"/>  
 </LinearLayout>  
</RelativeLayout>

**bg\_round.xml**

<?xml version="1.0" encoding="utf-8"?>  
<shape xmlns:android="http://schemas.android.com/apk/res/android"  
 android:shape="rectangle">  
 <solid android:color="@android:color/white"/>  
 <corners android:radius="20dp"/>  
</shape>

**Output:**

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