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Lab 5

Code:

XML Files:

**AndroidManiftest.XML**

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="org.example.lab5"**>  
  
 <**application  
 android:allowBackup="true"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/AppTheme"**>  
 <**activity android:name=".MainActivity"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
 <**activity android:name=".secondactivityjava"**></**activity**>  
 </**application**>  
  
</**manifest**>

**Activity\_Main.XML**

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.constraint.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"  
 android:background="#FFCB33 "  
 tools:context="org.example.lab5.MainActivity"**>  
  
 <**TextView  
 android:id="@+id/title"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="24dp"  
 android:text="Photo Album Slide Show"  
 android:textAlignment="center"  
 android:textColor="@android:color/black"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/imageView"** />  
  
 <**TextView  
 android:id="@+id/textView5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="88dp"  
 android:text="0"  
 app:layout\_constraintStart\_toStartOf="@+id/title"  
 app:layout\_constraintTop\_toBottomOf="@+id/title"** />  
  
 <**SeekBar  
 android:id="@+id/seekBar3"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginStart="8dp"  
 app:layout\_constraintEnd\_toStartOf="@+id/textView6"  
 app:layout\_constraintStart\_toEndOf="@+id/textView5"  
 app:layout\_constraintTop\_toTopOf="@+id/textView5"** />  
  
 <**TextView  
 android:id="@+id/textView6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginTop="88dp"  
 android:text="30"  
 app:layout\_constraintEnd\_toEndOf="@+id/title"  
 app:layout\_constraintTop\_toBottomOf="@+id/title"** />  
  
 <**TextView  
 android:id="@+id/farenheitValue"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="64dp"  
 android:textColor="@android:color/black"  
 android:textSize="30sp"  
 app:layout\_constraintEnd\_toEndOf="@+id/textView6"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/seekBar3"** />  
  
 <**ImageView  
 android:id="@+id/imageView"  
 android:layout\_width="0dp"  
 android:layout\_height="95dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="8dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:srcCompat="@drawable/iit"** />  
  
 <**Button  
 android:id="@+id/changeb"  
 android:layout\_width="0dp"  
 android:layout\_height="44dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="32dp"  
 android:text="Start Slide Show"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/farenheitValue"** />  
  
</**android.support.constraint.ConstraintLayout**>

**Secondactivity.XML**

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.constraint.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:background="#FFCB33 "  
 android:layout\_height="match\_parent"**>  
  
 <**TextView  
 android:id="@+id/title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="41dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_weight="1"  
 android:text="Title"  
 android:textSize="30sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**TextView  
 android:id="@+id/description"  
 android:layout\_width="0dp"  
 android:layout\_height="45dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="32dp"  
 android:text="Description"  
 android:textAlignment="center"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/title"** />  
  
 <**ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="0dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="32dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/description"** />  
  
</**android.support.constraint.ConstraintLayout**>

Java Files

**MainActivity.java**

**package** org.example.lab5;  
  
**import** android.graphics.Color;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.content.Intent;  
**import** android.widget.Button;  
**import** android.widget.ImageView;  
**import** android.widget.SeekBar;  
**import** android.widget.TextView;  
  
**import** java.text.DecimalFormat;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 SeekBar **seekbar**;  
 TextView **textView**;  
 **int progress**;  
 Button **myButton**;  
  
  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **seekbar**=(SeekBar)findViewById(R.id.***seekBar3***);  
 **seekbar**.setMax(30);  
 **seekbar**.setProgress(**progress**);  
  
 **myButton** = (Button) findViewById(R.id.***changeb***);  
 **myButton**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent intent = **new** Intent(getApplicationContext(),  
 secondactivityjava.**class**);  
 intent.putExtra(**"getcurrentProgress"**,**progress**);  
 startActivity(intent);  
 }  
 });  
  
  
  
  
  
 **seekbar**.setOnSeekBarChangeListener(**new** SeekBar.OnSeekBarChangeListener() {  
 @Override  
 **public void** onProgressChanged(SeekBar seekBar, **int** i, **boolean** b) {  
 **progress**=i;  
 DecimalFormat format=**new** DecimalFormat(**"0.00"**);  
 **textView**=(TextView)findViewById(R.id.***farenheitValue***);  
 **textView**.setText(**""**+**progress**+**" Seconds"**);  
 }  
  
 @Override  
 **public void** onStartTrackingTouch(SeekBar seekBar) {  
  
 }  
  
 @Override  
 **public void** onStopTrackingTouch(SeekBar seekBar) {  
  
 }  
 });  
  
  
  
 }  
}

**Secondactivitiyjava.java**

**package** org.example.lab5;  
  
**import** android.app.Activity;  
**import** android.nfc.cardemulation.HostApduService;  
**import** android.os.Bundle;  
**import** android.os.Handler;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.widget.ImageView;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
**import** java.util.Timer;  
**import** java.util.TimerTask;  
  
*/\*\*  
 \* Created by GiancarloDesktop on 2/25/2018.  
 \*/***public class** secondactivityjava **extends** AppCompatActivity{  
  
 **private** Handler **myHandler**=**new** Handler();  
  
 **private** Runnable **mRunnalbe**=**new** Runnable() {  
 @Override  
 **public void** run() {  
 **if**(**counter**>=10)  
 {  
 **textView**.setText(**titleArray**[0]);  
 **textview2**.setText(**descriptionArray**[0]);  
 **images**.setImageResource(**ImagesArray**[0]);  
 }  
 **else**{  
 **textView**.setText(**titleArray**[**counter**]);  
 **textview2**.setText(**descriptionArray**[**counter**]);  
 **images**.setImageResource(**ImagesArray**[**counter**]);  
 **myHandler**.postDelayed(**mRunnalbe**,**progress**);  
 **counter**++;  
 }  
 }  
 };  
  
 String **titleArray**[]=**new** String[]{**"10. India"**, **"9. Turkey"**, **"8. Thailand"**, **"7. New Zealand"**, **"6. Australia"**,**"5. Greece"**,  
 **"4. America"**, **"3. Spain"**,**"2. France"**,**"1. Italy"**};  
  
 String **descriptionArray**[]=**new** String[]{**"Shampooing is an Indian concept"**,**"Turkey has one of the worlds oldest and biggest malls"**,**"Thailand was never colonised"**,**"The official languages of New Zeland are English and Maori"**,  
 **"Australia is as wide as the distance between London to Moscow"**,**"Greece is beautiful but is also the most in debt"**,**"In America we sell enough pizza every day to cover 100 acres"**,**"The currency of spain is Euro"**,**"France is the worlds most popular tourist destination"**,**"Italy has the best restaurant in the world: Osteria Francescana"**};  
  
 Integer **ImagesArray**[]={R.drawable.***ind***,R.drawable.***turk***,R.drawable.***thai***,R.drawable.***newland***,R.drawable.***aus***,R.drawable.***gree***,R.drawable.***ame***,R.drawable.***spa***,R.drawable.***fran***,R.drawable.***ital***};  
 **int counter**=0;  
 Timer **timer**;  
 **int mainCount**=0;  
  
 TextView **textView**;  
 TextView **textview2**;  
 ImageView **images**;  
 **int progress**;*//contains the number of seconds for each slide* @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***secondactivity***);  
 **textView**=(TextView)findViewById(R.id.***title***);  
 **textview2**=(TextView)findViewById(R.id.***description***);  
 **images**=(ImageView)findViewById(R.id.***imageView2***);  
  
 Bundle currentprogress=getIntent().getExtras();  
 **if**(currentprogress==**null**) {  
 **return**;  
 }**else**{  
 **progress**=currentprogress.getInt(**"getcurrentProgress"**);  
 }  
 **progress**=**progress**\*1000;  
 *//textView.setText(""+progress);* **mRunnalbe**.run();  
  
  
 }  
  
}

**Images**

