MobileExam-master

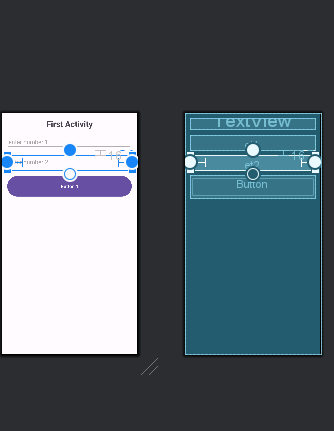
AndroidManifests.xml:

oding="utf-8"?>  
<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools">  
  
 <application  
 android:allowBackup="true"  
 android:dataExtractionRules="@xml/data\_extraction\_rules"  
 android:fullBackupContent="@xml/backup\_rules"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.MobileExam"  
 tools:targetApi="31">  
 <activity  
 android:name=".FirstActivity"  
 android:exported="true">  
 <intent-filter>  
 <action android:name="android.intent.action.MAIN" />  
  
 <category android:name="android.intent.category.LAUNCHER" />  
 </intent-filter>  
 </activity>  
 <activity  
 android:name=".SecondActivity"  
 android:exported="false" />  
 </application>  
  
</manifest>

Java Activities:

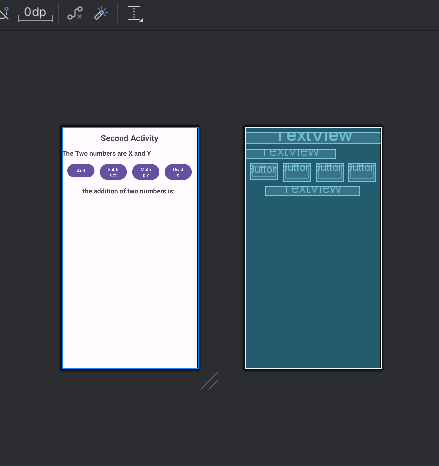
FirstActivity.java

package com.example.mobileexam;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.content.SharedPreferences;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
  
public class FirstActivity extends AppCompatActivity {  
   
 private EditText etNum1, etNum2;  
 private Button btnSample;  
   
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_first*);  
   
 etNum1 = findViewById(R.id.*et1*);  
 etNum2 = findViewById(R.id.*et2*);  
 btnSample = findViewById(R.id.*btnSample*);  
   
 btnSample.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 String number1 = etNum1.getText().toString();  
 String number2 = etNum2.getText().toString();  
   
 SharedPreferences sharedPreferences = getSharedPreferences("MyPref", *MODE\_PRIVATE*);  
 SharedPreferences.Editor editor = sharedPreferences.edit();  
 editor.putString("FirstNum", number1);  
 editor.putString("SecondNum", number2);  
 editor.apply();  
   
 Intent intent = new Intent(FirstActivity.this, SecondActivity.class);  
 intent.putExtra("FirstNum", number1);  
 intent.putExtra("SecondNum", number2);  
 startActivity(intent);  
 }  
 });  
 }  
}



SecondActivity.java:

package com.example.mobileexam;  
  
import android.content.SharedPreferences;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
import androidx.appcompat.app.AppCompatActivity;  
  
public class SecondActivity extends AppCompatActivity {  
   
 private TextView numbersTextView, resultTextView;  
 private Button addButton, subtractButton, multiplyButton, divideButton;  
   
 private String firstNum, secondNum;  
   
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_second*);  
   
 // Initialize views  
 numbersTextView = findViewById(R.id.*numbersTextView*);  
 resultTextView = findViewById(R.id.*resultTextView*);  
 addButton = findViewById(R.id.*addButton*);  
 subtractButton = findViewById(R.id.*subtractButton*);  
 multiplyButton = findViewById(R.id.*multiplyButton*);  
 divideButton = findViewById(R.id.*divideButton*);  
   
 // Retrieve data from SharedPreferences  
 SharedPreferences sharedPreferences = getSharedPreferences("MyPref", *MODE\_PRIVATE*);  
 firstNum = sharedPreferences.getString("FirstNum", "");  
 secondNum = sharedPreferences.getString("SecondNum", "");  
   
 // Retrieve data from intent  
 Bundle extras = getIntent().getExtras();  
 if (extras != null) {  
 firstNum = extras.getString("FirstNum", firstNum);  
 secondNum = extras.getString("SecondNum", secondNum);  
 }  
   
 // Display entered numbers  
 String numbersEntered = "The Two numbers are " + firstNum + " and " + secondNum;  
 numbersTextView.setText(numbersEntered);  
   
 // Set click listeners for operation buttons  
 addButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 performOperation("+", Double.*parseDouble*(firstNum) + Double.*parseDouble*(secondNum));  
 }  
 });  
   
 subtractButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 performOperation("-", Double.*parseDouble*(firstNum) - Double.*parseDouble*(secondNum));  
 }  
 });  
   
 multiplyButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 performOperation("\*", Double.*parseDouble*(firstNum) \* Double.*parseDouble*(secondNum));  
 }  
 });  
   
 divideButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 if (!secondNum.equals("0")) {  
 performOperation("/", Double.*parseDouble*(firstNum) / Double.*parseDouble*(secondNum));  
 } else {  
 resultTextView.setText("Cannot divide by zero");  
 }  
 }  
 });  
 }  
   
 private void performOperation(String operation, double result) {  
 String message = "The " + operation + " of two numbers is: " + result;  
 resultTextView.setText(message);  
 }  
}



Layouts:

activity\_first.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=".FirstActivity">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginEnd="16dp"  
 android:text="First Activity"  
 android:textAlignment="center"  
 android:textSize="25sp"  
 android:textStyle="bold"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <EditText  
 android:id="@+id/et1"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginEnd="16dp"  
 android:hint="enter number 1"  
 android:inputType="number"  
 android:maxLines="1"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView" />  
  
 <EditText  
 android:id="@+id/et2"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginEnd="16dp"  
 android:hint="enter number 2"  
 android:inputType="number"  
 android:maxLines="1"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/et1" />  
  
 <Button  
 android:id="@+id/btnSample"  
 android:layout\_width="0dp"  
 android:layout\_height="70dp"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginEnd="16dp"  
 android:text="Button 1"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/et2" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

activity\_maim.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">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Hello World!"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

activity\_second.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=".SecondActivity">  
  
 <TextView  
 android:id="@+id/topTextView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Second Activity"  
 android:textAlignment="center"  
 android:textSize="25sp"  
 android:textStyle="bold"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 android:layout\_marginTop="16dp"/>  
  
 <TextView  
 android:id="@+id/numbersTextView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="The Two numbers are X and Y"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/topTextView"  
 android:layout\_marginTop="16dp"/>  
  
 <Button  
 android:id="@+id/addButton"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:text="Add"  
 app:layout\_constraintEnd\_toStartOf="@+id/subtractButton"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/numbersTextView"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginEnd="8dp"/>  
  
 <Button  
 android:id="@+id/subtractButton"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:text="Subtract"  
 app:layout\_constraintEnd\_toStartOf="@+id/multiplyButton"  
 app:layout\_constraintStart\_toEndOf="@+id/addButton"  
 app:layout\_constraintTop\_toBottomOf="@+id/numbersTextView"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginEnd="8dp"/>  
  
 <Button  
 android:id="@+id/multiplyButton"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:text="Multiply"  
 app:layout\_constraintEnd\_toStartOf="@+id/divideButton"  
 app:layout\_constraintStart\_toEndOf="@+id/subtractButton"  
 app:layout\_constraintTop\_toBottomOf="@+id/numbersTextView"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginEnd="8dp"/>  
  
 <Button  
 android:id="@+id/divideButton"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:text="Divide"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toEndOf="@+id/multiplyButton"  
 app:layout\_constraintTop\_toBottomOf="@+id/numbersTextView"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginEnd="16dp"/>  
  
 <TextView  
 android:id="@+id/resultTextView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="the addition of two numbers is: "  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/divideButton"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginEnd="16dp"/>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

Color.xml

<?xml version="1.0" encoding="utf-8"?>  
<resources>  
 <color name="black">#FF000000</color>  
 <color name="white">#FFFFFFFF</color>  
</resources>

Themes.xml

<resources xmlns:tools="http://schemas.android.com/tools">  
 <!-- Base application theme. -->  
 <style name="Base.Theme.MobileExam" parent="Theme.Material3.DayNight.NoActionBar">  
 <!-- Customize your light theme here. -->  
 <!-- <item name="colorPrimary">@color/my\_light\_primary</item> -->  
 </style>  
  
 <style name="Theme.MobileExam" parent="Base.Theme.MobileExam" />  
</resources>

Themes.xml

<resources xmlns:tools="http://schemas.android.com/tools">  
 <!-- Base application theme. -->  
 <style name="Base.Theme.MobileExam" parent="Theme.Material3.DayNight.NoActionBar">  
 <!-- Customize your dark theme here. -->  
 <!-- <item name="colorPrimary">@color/my\_dark\_primary</item> -->  
 </style>  
</resources>

