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Subject: Mobile Application Lab 15



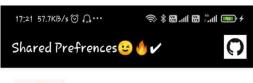
2.



3.



4.





Register



XML CODE:-1. Xml1

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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</pre>
       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="ui.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="SHARED PREF "
       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.Xml2

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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">
   <ImageView</pre>
       android:id="@+id/imageView"
       android:layout width="80dp"
       android:layout height="72dp"
       app:layout constraintBottom toBottomOf="parent"
       app:layout_constraintEnd_toEndOf="parent"
       app:layout constraintHorizontal bias="0.056"
       app:layout constraintStart toStartOf="parent"
       app:layout constraintTop toTopOf="parent"
       app:layout_constraintVertical bias="0.025"
       app:srcCompat="@drawable/images" />
  <TextView
       android:id="@+id/textView3"
       android:layout width="209dp"
       android: layout height="51dp"
       android: text="Register"
       android: textStyle="bold"
       android: textSize="36sp"
       android:gravity="center"
       android:textColor="#000"
       app:layout constraintBottom toBottomOf="parent"
       app:layout constraintEnd toEndOf="parent"
       app:layout constraintHorizontal bias="0.49"
       app:layout constraintStart toStartOf="parent"
       app:layout constraintTop toTopOf="parent"
       app:layout constraintVertical bias="0.129" />
   <EditText
       android:id="@+id/edit text1"
       android:layout width="307dp"
       android:layout_height="50dp"
       android:hint="Enter Full Name "
       app:layout_constraintBottom_toBottomOf="parent"
       app:layout constraintEnd toEndOf="parent"
       app:layout constraintStart toStartOf="parent"
       app:layout constraintTop toTopOf="parent"
       app:layout constraintVertical bias="0.236" />
  <EditText
       android:id="@+id/edit text2"
       android:layout width="307dp"
       android:layout height="50dp"
       android:hint="Enter Email Address "
       app:layout constraintBottom toBottomOf="parent"
       app:layout constraintEnd toEndOf="parent"
       app:layout constraintStart toStartOf="parent"
```

```
app:layout constraintTop toTopOf="parent"
       app:layout constraintVertical bias="0.336" />
   <Button
       android:id="@+id/button"
       android:layout_width="148dp"
       android:layout height="40dp"
       android:background="#64F806"
       android:shadowColor="#64DD17"
       android:text="LOGIN"
       app:backgroundTint="#64DD17"
       app:layout_constraintBottom_toBottomOf="parent"
       app:layout_constraintEnd_toEndOf="parent"
       app:layout_constraintHorizontal_bias="0.498"
       app:layout_constraintStart_toStartOf="parent"
       app:layout_constraintTop_toTopOf="parent"
       app:layout_constraintVertical_bias="0.442" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

3. Xml3

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout</pre>
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:orientation="vertical"
   tools:context=".MainActivity3">
   <TextView
       android:id="@+id/textView4"
       android:layout width="match parent"
       android:layout height="wrap_content"
       android: text="Welcome"
       android: textColor="#00C853"
       android:gravity="center"
       android:textSize="25dp"
       android: textStyle="bold"
       />
  <TextView
       android: textSize="18dp"
       android: textStyle="bold"
       android:layout_margin="20dp"
       android:gravity="center"
       android:id="@+id/textView5"
       android:layout width="match parent"
       android:layout height="wrap content"
       android:text="Full Name - "
   <TextView
       android:textSize="18dp"
       android: textStyle="bold"
       android:gravity="center"
       android:id="@+id/textView6"
       android:layout margin="20dp"
       android:layout_width="match_parent"
       android: layout_height="wrap_content"
       android:text="Email Address - "
       />
  <Button
       android:id="@+id/button2"
       android:layout_width="144dp"
       android:layout height="wrap content"
       android:text="LOG OUT"
       android:gravity="center"
       android:layout gravity="center"
       android:backgroundTint="#DD2C00"
       />
```

JAVA CODES:-

1. Main_Activity1

```
package com.example.sharedprefrences;
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

```
package com.example.sharedprefrences;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.content.SharedPreferences;
import android.net.Uri;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity2 extends AppCompatActivity {
  EditText editText1,editText2;
   Button button;
   SharedPreferences sharedPreferences;
   private static final String SHARED PREF NAME="mypref";
   private static final String KEY NAME="name";
   private static final String KEY EMAIL="email";
   @Override
   protected void onCreate(Bundle savedInstanceState) {
       super.onCreate(savedInstanceState);
       setContentView(R.layout.activity main2);
       editText1 = findViewById(R.id.edit text1);
       editText2 = findViewById(R.id.edit text2);
       button = findViewById(R.id.button);
       sharedPreferences =
getSharedPreferences(SHARED PREF NAME, MODE PRIVATE);
       String name =
sharedPreferences.getString(KEY NAME, null);
       if(name !=null) {
           Intent i = new
Intent (MainActivity2.this, MainActivity3.class);
           startActivity(i);
       button.setOnClickListener(new View.OnClickListener() {
           @Override
           public void onClick(View v) {
               SharedPreferences.Editor editor =
sharedPreferences.edit();
editor.putString(KEY NAME, editText1.getText().toString());
editor.putString(KEY EMAIL, editText2.getText().toString());
               editor.apply();
               Intent i = new
Intent (MainActivity2.this, MainActivity3.class);
               startActivity(i);
               Toast.makeText (MainActivity2.this, "Login
Successful", Toast. LENGTH LONG) . show();
```

```
}
       });
   }
  @Override
  public boolean onCreateOptionsMenu(Menu menu) {
       getMenuInflater().inflate(R.menu.main, menu);
       return super.onCreateOptionsMenu(menu);
   @Override
  public boolean onOptionsItemSelected(@NonNull MenuItem
item) {
       switch(item.getItemId()){
           case R.id.git :
               String
url="https://github.com/shivamtyagi577/Anndroid_Studio";
               Intent intent=new Intent(Intent.ACTION_VIEW);
               intent.setData(Uri.parse(url));
               startActivity(intent);
      return super.onOptionsItemSelected(item);
   }
}
```

3.Main_Activity

```
package com.example.sharedprefrences;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.content.SharedPreferences;
import android.net.Uri;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;
public class MainActivity3 extends AppCompatActivity {
   TextView textView5, textView6;
   Button button2;
   SharedPreferences sharedPreferences;
  private static final String SHARED PREF NAME="mypref";
   private static final String KEY NAME="name";
   private static final String KEY EMAIL="name";
   @Override
   protected void onCreate(Bundle savedInstanceState) {
       super.onCreate(savedInstanceState);
       setContentView(R.layout.activity main3);
       textView5 = findViewById(R.id.textView5);
       textView6 = findViewById(R.id.textView6);
       button2 = findViewById(R.id.button2);
       sharedPreferences =
getSharedPreferences(SHARED PREF NAME, MODE PRIVATE);
       String name =
sharedPreferences.getString(KEY NAME, null);
       String email =
sharedPreferences.getString(KEY EMAIL, null);
       if(name!=null || email!=null) {
           textView5.setText("Full Name - "+name);
           textView6.setText("Email Address - "+email);
       button2.setOnClickListener(new View.OnClickListener() {
           @Override
           public void onClick(View v) {
               SharedPreferences.Editor editor =
sharedPreferences.edit();
               editor.clear();
               editor.commit();
               Toast.makeText (MainActivity3.this, "Log out
Successful", Toast. LENGTH LONG) . show();
               finish();
           }
```

```
});
   @Override
  public boolean onCreateOptionsMenu(Menu menu) {
       getMenuInflater().inflate(R.menu.main, menu);
       return super.onCreateOptionsMenu(menu);
   @Override
  public boolean onOptionsItemSelected(@NonNull MenuItem
item) {
       switch(item.getItemId()){
           case R.id.git :
               String
url="https://github.com/shivamtyagi577/Anndroid_Studio";
               Intent intent=new Intent(Intent.ACTION_VIEW);
               intent.setData(Uri.parse(url));
               startActivity(intent);
       return super.onOptionsItemSelected(item);
   }
}
```