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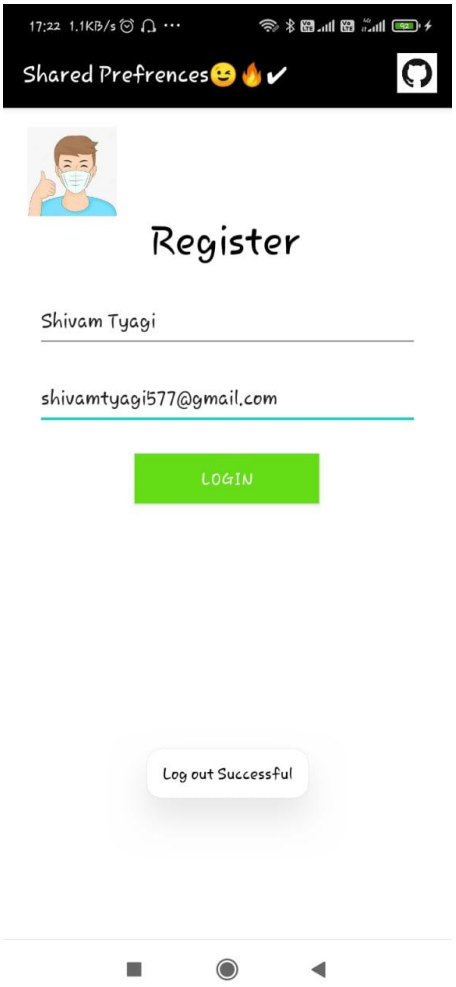
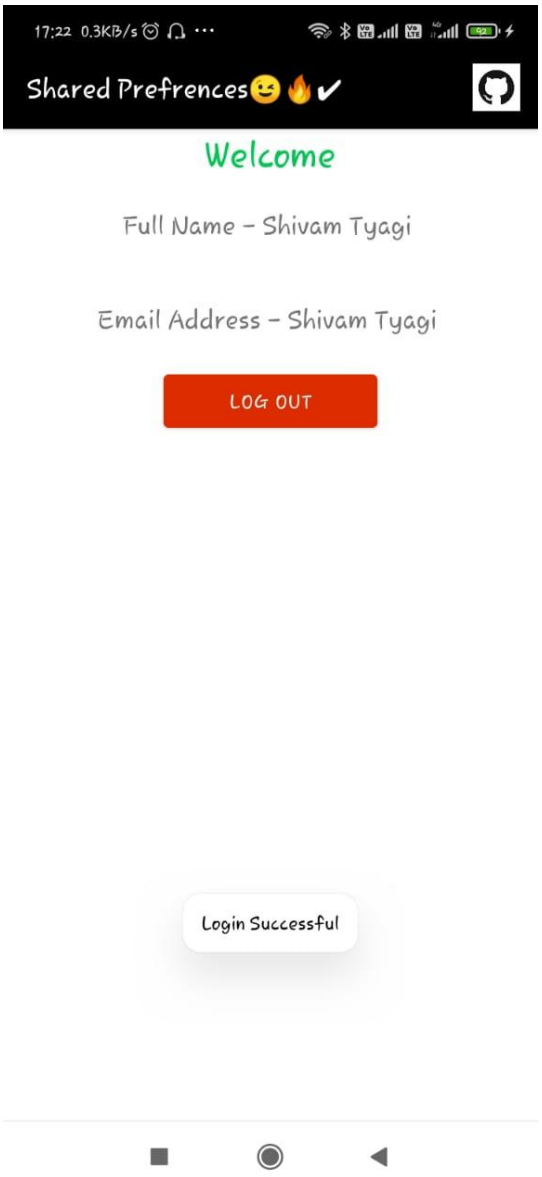
Reg No. : 2047122
Subject : Mobile Application Lab 15

1.

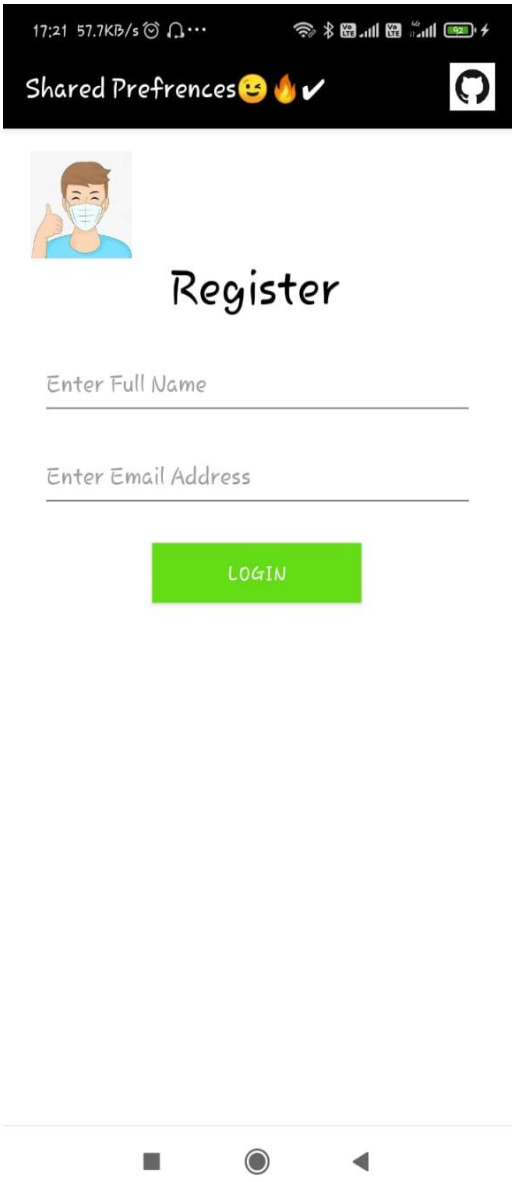
2.



3.


17:22 0.3KB/s
Shared Prefrences😉🔥✔
Welcome
Full Name - Shivam Tyagi
Email Address - Shivam Tyagi
LOG OUT
Login Successful

4.


17:21 57.7KB/s
Shared Prefrences😉🔥✔
Register
Enter Full Name
Enter Email Address
LOGIN

XML CODE:-

1. Xml1

```
<?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="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
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
        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
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"
        />
```

```
</LinearLayout>
```

# 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);
    }
}
```