**Shared preference**

**Activity.xml**

<LinearLayout android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 xmlns:android="http://schemas.android.com/apk/res/android" >  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Username"  
 android:id="@+id/name"  
 android:textSize="20dp"  
 android:layout\_margin="15dp"/>  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/pass"  
 android:hint="Password"  
 android:inputType="textPassword"  
 android:textSize="20dp"  
 android:layout\_margin="15dp"/>  
 <androidx.appcompat.widget.AppCompatButton  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/in"  
 android:text="SIGN IN"  
 android:textSize="25dp"  
 android:layout\_margin="15dp"/>  
 <androidx.appcompat.widget.AppCompatButton  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/out"  
 android:text="SIGN OUT"  
 android:textSize="25dp"  
 android:layout\_margin="15dp"/>  
  
</LinearLayout>

**Dashboard.xml**

<LinearLayout android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 xmlns:android="http://schemas.android.com/apk/res/android" >  
 <androidx.appcompat.widget.AppCompatButton  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Add student"  
 android:textSize="20dp"  
 android:layout\_margin="15dp"/>  
 <androidx.appcompat.widget.AppCompatButton  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Add faculty"  
 android:textSize="20dp"  
 android:layout\_margin="15dp"/>  
 <androidx.appcompat.widget.AppCompatButton  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Search student"  
 android:textSize="20dp"  
 android:layout\_margin="15dp"/>  
 <androidx.appcompat.widget.AppCompatButton  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Search faculty"  
 android:textSize="20dp"  
 android:layout\_margin="15dp"/>  
</LinearLayout>

**Activity.java**

package com.androapp.college;  
  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.appcompat.widget.AppCompatButton;  
import android.content.Intent;  
import android.content.SharedPreferences;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.EditText;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 EditText e1,e2;  
 AppCompatButton b1,b2;  
 String getUsername,getPassword,PrefValue;  
 SharedPreferences mypreferences;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 mypreferences=getSharedPreferences("login",*MODE\_PRIVATE*);  
 e1=(EditText) findViewById(R.id.*name*);  
 e2=(EditText) findViewById(R.id.*pass*);  
 b1=(AppCompatButton) findViewById(R.id.*in*);  
 b2=(AppCompatButton) findViewById(R.id.*out*);  
 PrefValue=mypreferences.getString("email",null);  
 if(PrefValue!=null)  
 {  
 Intent i=new Intent(getApplicationContext(),Dashboard.class);  
 startActivity(i);  
 }  
 b1.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 getUsername=e1.getText().toString();  
 getPassword=e2.getText().toString();  
 if(getUsername.equals("abc124@gmail.com")&&getPassword.equals("12345"))  
 {  
 SharedPreferences.Editor myedit=mypreferences.edit();  
 myedit.putString("email",getUsername);  
 myedit.commit();  
 }  
 else {  
 Toast.*makeText*(getApplicationContext(), "Invalid Credentials", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 });  
 b2.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 SharedPreferences.Editor myedit=mypreferences.edit();  
 myedit.clear();  
 myedit.commit();  
 }  
 });  
 }  
}

**Dashboard.java**

package com.androapp.college;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
  
public class Dashboard extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_dashboard*);  
 }  
}

Output



