

Signin-java:

```
package com.example.priyanka.expenso;

import android.database.Cursor;
import android.support.design.widget.Snackbar;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class SignIn extends AppCompatActivity {

    EditText name, email, phone, pass, compass;

    Database db;

    String na, em, ph_no, paw, cpw;
    int flag=0;

    Button b1;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_sign_in);

        name=(EditText) findViewById(R.id.name);
        email=(EditText) findViewById(R.id.email);
        phone=(EditText) findViewById(R.id.ph);
        pass=(EditText) findViewById(R.id.pw);
        compass=(EditText) findViewById(R.id.pwc);

        b1=(Button) findViewById(R.id.sb);
        db=new Database(this);

        b1.setOnClickListener(new View.OnClickListener()
        {
            @Override
            public void onClick(View v) {
```

```

na=name.getText().toString();
em=email.getText().toString();
ph_no=phone.getText().toString();
paw=pass.getText().toString();
cpw=compass.getText().toString();

Cursor res=db.getUserData();
if (res!=null && res.getCount()>0){
    while (res.moveToNext()) {
        //id = res.getInt(0);
        String e = res.getString(2);
        //pass1 = res.getString(4);

        if (em.equals(e)) {

Toast.makeText(getApplicationContext(), "this email is
already in database", Toast.LENGTH_LONG).show();
            email.setText("");
            flag = 1;
            break;
        }
    }
    if(flag==0){
        if(paw.equals(cpw)){

db.adduser(na,em,ph_no,paw);

Snackbar.make(v,
"SUCCESSFULL!", Snackbar.LENGTH_LONG)

.setAction("Action", null).show();
        }

        else {

Snackbar.make(v,
"PASSWORDS DONT MATCH!", Snackbar.LENGTH_LONG)

.setAction("Action", null).show();

```

```

        }
    }

    }
    else {
        if(paw.equals(cpw)) {
            boolean r = db.adduser(na, em,
ph_no, paw);

            if(r == true) {
                Snackbar.make(v,
"SUCCESSFULL!", Snackbar.LENGTH_LONG)
                    .setAction("Action",
null).show();
            }
            else{
                Snackbar.make(v,
"UNSUCCESSFULL!", Snackbar.LENGTH_LONG)
                    .setAction("Action",
null).show();
            }
        }
    }

    else {

        Snackbar.make(v, "PASSWORDS DONT
MATCH!", Snackbar.LENGTH_LONG)
            .setAction("Action",
null).show();

    }

}

}
});

```

```
}  
}
```

sign in xml:

```
<?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"  
    tools:context=".SignIn"  
    android:orientation="vertical"  
    >  
    <LinearLayout  
        android:layout_width="match_parent"  
        android:layout_height="wrap_content">  
        <TextView  
            android:layout_width="0dp"  
            android:layout_height="wrap_content"  
            android:text="Name"  
            android:layout_weight="1"  
        />  
        <EditText  
            android:layout_width="0dp"  
            android:layout_height="wrap_content"  
            android:id="@+id/name"  
            android:layout_weight="2"  
        />  
    </LinearLayout>  
</LinearLayout>
```

```
        android:layout_width="match_parent"
        android:layout_height="wrap_content">
        <TextView
            android:layout_width="0dp"
            android:layout_height="wrap_content"
            android:text="Email"
            android:layout_weight="1"
        />
        <EditText
            android:layout_width="0dp"
            android:layout_height="wrap_content"
            android:id="@+id/email"
            android:layout_weight="2"
        />

    </LinearLayout>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content">
        <TextView
            android:layout_width="0dp"
            android:layout_height="wrap_content"
            android:text="Phone No"
            android:layout_weight="1"

        />
        <EditText
            android:layout_width="0dp"
            android:layout_height="wrap_content"
            android:id="@+id/ph"
            android:layout_weight="2"
        />

    </LinearLayout>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content">
        <TextView
            android:layout_width="0dp"
            android:layout_height="wrap_content"
            android:text="Password"
```

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        android:layout_weight="1"

    />
<EditText
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:id="@+id/pw"
    android:layout_weight="2"

    />

</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <TextView
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:text="Confirm Password" />

    <EditText
        android:id="@+id/pwc"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_weight="2"

    />

</LinearLayout>
<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="SUBMIT"
    android:id="@+id/sb"
    android:layout_gravity="center"
    android:layout_marginTop="40dp"
    />

```

</LinearLayout>

Login java:

```
package com.example.priyanka.expenso;

import android.content.Intent;
import android.database.Cursor;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

public class UserLogin extends AppCompatActivity {
    EditText user_email,password;
    Button log;
    TextView rn;

    String upass,uemail;

    Database db;

    int id;
    String e1,pass1;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_user_login2);
        user_email=(EditText) findViewById(R.id.u_email);
        password=(EditText) findViewById(R.id.u_pas);
        rn=(TextView) findViewById(R.id.rn);
        log=(Button) findViewById(R.id.login);

        db=new Database(this);
        rn.setOnClickListener(new View.OnClickListener())
```

```

{
    @Override
    public void onClick(View v) {
        Intent intent=new
Intent(getApplicationContext(),SignIn.class);
        startActivity(intent);
    }
});
log.setOnClickListener(new View.OnClickListener()
{
    @Override
    public void onClick(View v) {

        uemail = user_email.getText().toString();
        upass = password.getText().toString();

        Cursor res = db.check(uemail);

        if (res != null || res.getCount() > 0) {
            while (res.moveToNext()) {
                id = res.getInt(0);
                e1 = res.getString(2);
                pass1 = res.getString(4);
            }

        }
        if (uemail.equals(e1) &&
upass.equals(pass1)) {

Toast.makeText(getApplicationContext(), "LogIN
Successful", Toast.LENGTH_LONG).show();

            Intent i=new
Intent(getApplicationContext(),Welcome.class);
            i.putExtra("id",id);
            startActivity(i);
        } else {

Toast.makeText(getApplicationContext(), "Wrong email or
password", Toast.LENGTH_LONG).show();

        }
    }
}

```



```

        }
    });
}
}

```

login xml:

```

<?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"
    tools:context=".UserLogin"
    android:orientation="vertical">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        >
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Email Id"
            />
        <EditText
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:id="@+id/u_email"
            />
    </LinearLayout>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content">

        <TextView

```

```

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Password"
    />
    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/u_pas"
    />
</LinearLayout>
<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Login"
    android:layout_gravity="center"
    android:id="@+id/login"
/>

<TextView
    android:layout_width="wrap_content"
    android:layout_height="30dp"
    android:layout_gravity="center"
    android:text="REGISTER NOW"
    android:id="@+id/rn"

    android:textColor="@color/colorPrimary"
    android:layout_marginTop="40dp"/>

</LinearLayout>

```

Database:

```

public boolean adduser(String name, String email, String
phone, String password) {
    SQLiteDatabase db = this.getWritableDatabase();
    ContentValues contentValues = new ContentValues();
    contentValues.put(UCOL_2, name);
    contentValues.put(UCOL_3, email);

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        contentValues.put(UCOL_4, phone);
        contentValues.put(UCOL_5, password);

        Long result =
db.insert(USER_TABLE,null,contentValues);
        db.close();
        if(result==-1){
            return false;
        }
        else {
            return true;
        }
    }

public Cursor check(String email){

        SQLiteDatabase
sqliteDatabase=this.getWritableDatabase();
        Cursor c=sqliteDatabase.rawQuery("Select * from " +
USER_TABLE + " WHERE " + UCOL_3 + "='" + email +
"',null));
        // Cursor c=sqliteDatabase.query(USER_TABLE,new
String[]{UCOL_1,UCOL_2,UCOL_3,UCOL_4,UCOL_5},UCOL_3 +
"=?",new String[]{email},null,null,null);
        return c;
    }

public Cursor getname(int id){
        SQLiteDatabase db= this.getWritableDatabase();
        Cursor res = db.rawQuery("Select u_name from " +
USER_TABLE + " WHERE " + UCOL_1 + "='" + id + "',null));
        return res;
    }

```