activity_main.xml

```
<?xml version="1.0" encoding="utf-</pre>
8"?>
                                                  <TextView
<RelativeLayout
xmlns:app="http://schemas.android.
                                          android:id="@+id/textView"
com/apk/res-auto"
                                          android:layout width="173dp"
xmlns:tools="http://schemas.androi
d.com/tools"
                                          android:layout height="86dp"
xmlns:android="http://schemas.andr
                                          android:layout marginStart="24dp"
oid.com/apk/res/android"
                                          android:layout marginTop="32dp"
android:layout width="match parent
                                          android:layout marginEnd="200dp"
android:layout height="match paren
                                          android:fontFamily="sans-serif"
                                                      android:text="Login"
                                          android:textColor="#2300FF"
<androidx.constraintlayout.widget.</pre>
ConstraintLayout
                                          android:textColorHighlight="#9672F
android:layout width="wrap content
                                          android:textSize="60dp"
android:layout height="match paren
                                          android:textStyle="bold"
                                          app:layout_constraintBottom toTopO
                                          f="@+id/textView2"
android:layout alignParentStart="t
rue"
                                          app:layout constraintEnd toEndOf="
                                          parent"
android:layout alignParentLeft="tr
                                          app:layout constraintHorizontal bi
                                          as="0.0"
android:layout alignParentTop="tru
                                          app:layout constraintStart toStart
android:layout alignParentEnd="tru
                                          Of="parent"
                                          app:layout constraintTop toTopOf="
android:layout alignParentRight="t
                                          parent"
rue"
                                          app:layout constraintVertical bias
android:layout alignParentBottom="
                                          ="0.0"/>
                                                  <TextView
android:layout marginStart="0dp"
                                          android:id="@+id/textView2"
android:layout marginLeft="0dp"
                                          android:layout width="wrap content
android:layout marginTop="-1dp"
android:layout marginEnd="0dp"
                                          android:layout height="wrap conten
                                          ±."
android:layout marginRight="0dp"
                                          android:layout marginStart="30dp"
android:layout marginBottom="1dp"
                                          android:layout marginTop="16dp"
android:background="@drawable/bg"
                                          android:layout marginEnd="260dp"
```

tools:context=".MainActivity">

<pre>android:layout_marginBottom="- 20dp"</pre>	<pre>android:id="@+id/editTextTextPerso nName"</pre>
<pre>android:fontFamily="sans-serif"</pre>	android:layout_width="279dp"
android:text="Username"	android:layout_height="54dp"
android:textColor="#7562FA"	<pre>android:layout_marginStart="25dp"</pre>
android:textSize="16dp"	<pre>android:layout_marginEnd="16dp"</pre>
<pre>app:layout_constraintBottom_toTop0 f="@+id/editTextTextPersonName"</pre>	<pre>android:background="@drawable/plai n_box"</pre>
<pre>app:layout_constraintEnd_toEndOf=" parent"</pre>	<pre>android:drawableStart="@drawable/c _icon"</pre>
<pre>app:layout_constraintHorizontal_bi as="0.0"</pre>	<pre>android:drawablePadding="5dp"</pre>
<pre>app:layout_constraintStart_toStart Of="parent"</pre>	<pre>android:hint="Username"</pre>
app:layout constraintTop toBottomO	<pre>android:inputType="textPersonName"</pre>
f="@+id/textView" />	<pre>android:paddingStart="5dp"</pre>
<textview< td=""><td><pre>android:textAlignment="textStart"</pre></td></textview<>	<pre>android:textAlignment="textStart"</pre>
<pre>android:id="@+id/textView3"</pre>	<pre>android:textColor="#000000"</pre>
<pre>android:layout_width="wrap_content "</pre>	<pre>android:textColorHighlight="#00000 0"</pre>
<pre>android:layout_height="wrap_conten t"</pre>	<pre>android:textColorHint="#494848"</pre>
<pre>android:layout marginStart="30dp"</pre>	android:textColorLink="#000000"
android:text="Password"	android:textSize="20dp"
android:textColor="#7960FE"	<pre>app:layout_constraintBottom_toTop0 f="@+id/textView3"</pre>
<pre>android:textSize="16dp"</pre>	<pre>app:layout_constraintEnd_toEndOf=" parent"</pre>
<pre>app:layout_constraintBottom_toTop0 f="@+id/editTextTextPassword"</pre>	<pre>app:layout_constraintHorizontal_bi as="0.0"</pre>
<pre>app:layout_constraintEnd_toEndOf=" @+id/textView2"</pre>	<pre>app:layout_constraintStart_toStart Of="parent"</pre>
<pre>app:layout_constraintHorizontal_bi as="1.0"</pre>	<pre>app:layout_constraintTop_toBottom0 f="@+id/textView2"</pre>
<pre>app:layout_constraintStart_toStart Of="@+id/textView2"</pre>	<pre>app:layout_constraintVertical_bias ="0.0" /></pre>
<pre>app:layout_constraintTop_toBottomO f="@+id/textView9" /></pre>	<edittext< td=""></edittext<>
<edittext< td=""><td><pre>android:id="@+id/editTextTextPassw</pre></td></edittext<>	<pre>android:id="@+id/editTextTextPassw</pre>

```
ord"
                                         android:layout marginEnd="20dp"
android:layout width="278dp"
                                         android:layout marginBottom="5dp"
android:layout height="55dp"
                                         android:background="@drawable/butt
android:layout marginStart="25dp"
                                         on shape pressed"
android:background="@drawable/plai
                                         android:fontFamily="sans-serif"
n box"
                                                     android:text="LOGIN"
android:drawableStart="@drawable/b
                                         android:textAlignment="center"
aseline info 24"
                                         android:textColor="#4E33F8"
android:drawablePadding="8dp"
            android:ems="10"
                                         android:textSize="24dp"
            android:hint="****"
                                         android:textStvle="bold"
android:inputType="textPassword"
                                         app:cornerRadius="250dp"
android:paddingStart="8dp"
                                         app:layout constraintBottom toTopO
android:textAlignment="textStart"
                                         f="@+id/textView6"
android:textColor="#000000"
                                         app:layout constraintEnd toEndOf="
                                         parent"
android:textColorHighlight="#00000
                                         app:layout constraintHorizontal bi
                                         as="0.9"
android:textColorHint="#4D4A4A"
                                         app:layout constraintStart toStart
android:textColorLink="#000000"
                                         Of="parent"
android:textSize="20dp"
                                         app:layout constraintTop toBottomO
                                         f="@+id/textView4" />
app:layout constraintBottom toTopO
f="@+id/textView10"
                                                 <TextView
app:layout constraintEnd toEndOf="
                                         android:id="@+id/textView4"
@+id/editTextTextPersonName"
                                         android:layout width="wrap content
app:layout constraintHorizontal bi
as="1.0"
                                         android:layout height="wrap conten
app:layout constraintStart toStart
Of="@+id/editTextTextPersonName"
                                         android:layout marginStart="194dp"
app:layout constraintTop toBottomO
f="@+id/textView3" />
                                         android:layout marginEnd="30dp"
                                         android:layout marginBottom="5dp"
                                                     android:text="Forget
<androidx.appcompat.widget.AppComp</pre>
                                         Password"
atButton
android:id="@+id/button"
                                         android:textColor="#2300FE"
android:layout width="141dp"
                                         android:textSize="12dp"
android:layout height="46dp"
                                         android:textStyle="bold"
android:layout marginStart="160dp"
                                         app:layout constraintBottom toTopO
```

```
f="@+id/button"
                                         android:textColor="#4E33F7"
app:layout constraintEnd toEndOf="
                                         android:textSize="10sp"
parent"
                                         android:textStyle="bold"
app:layout constraintHorizontal bi
as="0.781"
                                         app:layout constraintBottom toBott
                                         omOf="@+id/textView6"
app:layout constraintStart toStart
Of="parent"
                                         app:layout constraintEnd toEndOf="
                                         parent"
app:layout constraintTop toBottomO
f="@+id/textView10" />
                                         app:layout constraintStart toEndOf
                                         ="@+id/textView6"
        <TextView
                                         app:layout constraintTop toTopOf="
android:id="@+id/textView6"
                                         @+id/textView6"
android:layout width="wrap content
                                         app:layout constraintVertical bias
                                         ="1.0" />
android:layout height="wrap conten
                                                 <TextView
                                         android:id="@+id/textView9"
android:layout marginStart="160dp"
                                         android:layout width="wrap content
android:layout marginTop="20dp"
android:layout marginBottom="108dp
                                         android:layout height="wrap conten
            android:text="Don't
have an account?"
                                         android:layout marginBottom="12dp"
android:textColor="#000000"
                                         android:fontFamily="sans-serif"
            android:textSize="9dp"
                                         android:textColor="#FF0000"
app:layout constraintBottom toBott
omOf="parent"
                                         android:textSize="10dp"
app:layout constraintEnd toStartOf
                                         android:textStyle="bold"
="@+id/textView7"
                                         app:layout constraintBottom toTopO
                                         f="@+id/textView3"
app:layout constraintStart toStart
Of="parent"
                                         app:layout constraintEnd toEndOf="
                                         @+id/editTextTextPersonName"
app:layout constraintTop toBottomO
f="@+id/button" />
                                         app:layout constraintHorizontal bi
                                         as="0.079"
        <TextView
android:id="@+id/textView7"
                                         app:layout constraintStart toStart
                                         Of="@+id/editTextTextPersonName"
android:layout width="wrap content
                                         app:layout constraintTop toBottomO
                                         f="@+id/editTextTextPersonName" />
android:layout height="wrap conten
t."
                                                 <TextView
android:layout marginEnd="20dp"
                                         android:id="@+id/textView10"
            android:text="SIgnUp"
                                         android:layout width="wrap content
```

```
android:layout_height="wrap_conten
android:layout_marginBottom="235dp
android:fontFamily="sans-serif"
android:textColor="#FF0000"
android:textSize="10dp"
android:textStyle="bold"
app:layout constraintBottom toBott
omOf="parent"
app:layout_constraintEnd_toEndOf="
@+id/editTextTextPassword"
app:layout_constraintHorizontal_bi
as="0.075"
app:layout constraintStart toStart
Of="@+id/editTextTextPassword"
app:layout constraintTop toBottomO
f="@+id/editTextTextPassword" />
</androidx.constraintlayout.widget</pre>
.ConstraintLayout>
</RelativeLayout>
```

MainActivity.java

```
findViewById(R.id.textView10);
package com.example.dnyanlog;
                                                  t.ext =
import
                                          findViewById(R.id.editTextTextPers
androidx.annotation.NonNull;
                                          onName);
import
                                                  text2 =
androidx.appcompat.app.AppCompatAc
                                         findViewById(R.id.editTextTextPass
tivity;
                                          word);
import android.content.Intent;
                                         findViewById(R.id.button);
import android.os.Bundle;
import android.view.View;
                                                  t1.setOnClickListener(new
import android.view.WindowManager;
                                         View.OnClickListener() {
import android.widget.Button;
                                                     @Override
import android.widget.EditText;
                                                     public void
import android.widget.TextView;
                                         onClick(View view) {
import android.widget.Toast;
                                                          Intent i = new
                                         Intent (MainActivity.this, forget.cl
import
com.google.android.gms.tasks.OnCom
                                         ass);
pleteListener;
                                         MainActivity.this.startActivity(i)
import
com.google.android.gms.tasks.Task;
import
com.google.firebase.database.DataS
                                         MainActivity.this.startActivity(ne
napshot;
                                         Intent (MainActivity.this, forget.cl
import
com.google.firebase.database.Datab
                                         ass).putExtra("name",nav));
aseReference;
                                                     }
import
                                                  });
com.google.firebase.database.Fireb
                                                  t2.setOnClickListener(new
aseDatabase;
                                         View.OnClickListener() {
                                                      @Override
public class MainActivity extends
                                                      public void
AppCompatActivity {
                                         onClick(View view) {
    TextView t1;
    TextView t2, t3, t4;
                                         MainActivity.this.startActivity(ne
    EditText text;
    EditText text2;
                                         Intent (MainActivity.this, register.
    Button b;
                                         class));
    DatabaseReference reference;
                                                      }
                                                  });
    String nav , mob,passx;
                                                 b.setOnClickListener(new
                                         View.OnClickListener() {
    @Override
                                                      @Override
    protected void onCreate (Bundle
                                                     public void
savedInstanceState) {
                                         onClick(View view) {
                                                          refresh();
super.onCreate(savedInstanceState)
                                         if(text.getText().toString().isEmp
                                         ty()){
setContentView(R.layout.activity m
ain);
                                         t3.setText("Username must be
                                         given");
        \pm 1 =
                                                          }
findViewById(R.id.textView4);
                                         if(text2.getText().toString().isEm
        t2 =
findViewById(R.id.textView7);
                                         pty()){
       t3 =
                                         t4.setText("Password must be
findViewById(R.id.textView9);
        t4 =
                                         given");
```

```
}else{
if(!text.getText().toString().isEm
pty() &&
!text2.getText().toString().isEmpt
                        String
uname = text.getText().toString();
readData(uname);
            }
        });
    }
    public void readData(String
uname) {
        reference =
FirebaseDatabase.getInstance().get
Reference("Users");
reference.child(uname).get().addOn
CompleteListener (new
OnCompleteListener<DataSnapshot>()
            @Override
            public void
onComplete (@NonNull
Task<DataSnapshot> task) {
if(task.isSuccessful()){
if(task.getResult().exists()){
DataSnapshot dataSnapshot =
task.getResult();
String.valueOf(dataSnapshot.child(
"name").getValue());
String.valueOf(dataSnapshot.child(
"phone").getValue());
                        passx =
String.valueOf(dataSnapshot.child(
"password").getValue());
if(!passx.equals(text2.getText().t
oString())){
t4.setText("Invalid password");
                        }else{
Toast.makeText(MainActivity.this,
"Successfully logged-in",
Toast.LENGTH SHORT).show();
                            Intent
intent = new
Intent (MainActivity.this,
Logged.class);
```

```
intent.putExtra("u",uname);
 MainActivity.this.startActivity(in
 tent);
                      else{
 Toast.makeText (MainActivity.this,
 "User doesn't exist",
 Toast.LENGTH SHORT).show();
                  }else{
 Toast.makeText (MainActivity.this,
 "Invalid Username",
 Toast.LENGTH SHORT).show();
t3.setText("Invalid Username");
                 }
              }
         });
     }
     private void refresh() {
         t3.setText("");
         t4.setText("");
```

activity_logged.xml

```
<?xml version="1.0" encoding="utf-</pre>
8"?>
                                          android:layout marginEnd="89dp"
<RelativeLayout
                                          android:layout marginBottom="20dp"
xmlns:android="http://schemas.andr
oid.com/apk/res/android"
                                          app:layout constraintBottom toTopO
                                          f="@+id/textView19"
xmlns:app="http://schemas.android.
com/apk/res-auto"
                                          app:layout constraintEnd toEndOf="
xmlns:tools="http://schemas.androi
                                          parent"
d.com/tools"
                                          app:layout constraintHorizontal bi
android:layout width="match parent
                                          as="0.529"
                                          app:layout constraintStart toStart
android:layout height="match paren
                                          Of="parent"
                                          app:layout constraintTop toTopOf="
                                          parent"
<androidx.constraintlayout.widget.</pre>
ConstraintLayout
                                          app:srcCompat="@drawable/img" />
android:layout width="match parent
                                                  <TextView
                                          android:id="@+id/textView19"
android:layout height="match paren
                                          android:layout width="wrap content
android:layout alignParentStart="t
rue"
                                          android:layout height="wrap_conten
android:layout alignParentLeft="tr
                                          android:layout marginStart="140dp"
android:layout alignParentTop="tru
                                          android:layout marginTop="38dp"
                                          android:layout marginBottom="15dp"
android:layout alignParentEnd="tru
                                                      android:text="Name :"
                                          android:textColor="#000000"
android:layout alignParentRight="t
rue"
                                          android:textSize="24dp"
android:layout alignParentBottom="
                                          android:textStyle="bold"
                                          app:layout constraintBottom toTopO
android:background="@drawable/logg
                                          f="@+id/textView20"
ed"
        tools:context=".Logged">
                                          app:layout constraintEnd toStartOf
                                          ="@+id/textView22"
        <ImageView</pre>
                                          app:layout constraintStart toStart
android:id="@+id/imageView"
                                          Of="parent"
android:layout width="217dp"
                                          app:layout constraintTop toBottomO
                                          f="@+id/imageView" />
android:layout height="196dp"
                                                  <TextView
android:layout marginStart="88dp"
                                          android:id="@+id/textView20"
android:layout marginTop="180dp"
```

```
android:layout width="wrap content
                                         app:layout constraintHorizontal bi
                                         as="1.0"
android:layout height="wrap conten
                                         app:layout constraintStart toStart
android:layout marginStart="100dp"
                                         Of="@+id/textView20"
android:layout marginTop="25dp"
                                         app:layout constraintTop toBottomO
                                         f="@+id/textView20" />
android:layout marginBottom="33dp"
            android:text="Gender
                                                 <TextView
: "
                                         android:id="@+id/textView22"
android:textColor="#000000"
                                         android:layout width="wrap content
android:textSize="24dp"
android:textStvle="bold"
                                         android:layout height="wrap conten
app:layout constraintBottom toTopO
f="@+id/textView21"
                                         android:layout marginStart="16dp"
                                         android:layout marginEnd="168dp"
app:layout constraintEnd toEndOf="
@+id/textView19"
                                         android:text="TextView"
app:layout constraintHorizontal bi
as="1.0"
                                         android:textSize="18dp"
app:layout constraintStart toStart
                                         app:layout constraintBottom toBott
                                         omOf="@+id/textView19"
Of="@+id/textView19"
app:layout constraintTop toBottomO
                                         app:layout constraintEnd toEndOf="
f="@+id/textView19" />
                                         parent"
        <TextView
                                         app:layout constraintStart toEndOf
                                         ="@+id/textView19"
android:id="@+id/textView21"
                                         app:layout constraintTop toTopOf="
android:layout width="wrap content
                                         @+id/textView19" />
                                                 <TextView
android:layout height="wrap conten
                                         android:id="@+id/textView23"
±."
android:layout marginStart="100dp"
                                         android:layout width="wrap content
android:layout marginBottom="170dp
                                         android:layout height="wrap conten
            android:text="Phone :"
                                         t."
android:textColor="#000000"
                                         android:layout marginStart="15dp"
android:textSize="24dp"
                                         android:layout marginTop="33dp"
android:textStyle="bold"
                                         android:text="TextView"
app:layout constraintBottom toBott
                                         android:textSize="18dp"
omOf="parent"
                                         app:layout constraintBottom toBott
                                         omOf="@+id/textView20"
app:layout constraintEnd toEndOf="
```

@+id/textView20"

```
app:layout_constraintEnd toEndOf="
@+id/textView22"
app:layout constraintStart toEndOf
="@+id/textView20"
app:layout constraintTop toTopOf="
@+id/textView20"
app:layout constraintVertical bias
="1.0" />
        <TextView
android:id="@+id/textView24"
android:layout width="wrap content
android:layout height="wrap conten
android:layout marginStart="15dp"
android:layout marginTop="5dp"
android:layout marginBottom="170dp
android:text="TextView"
android:textSize="18dp"
app:layout constraintBottom toBott
omOf="@+id/textView21"
app:layout constraintEnd toEndOf="
@+id/textView23"
app:layout constraintHorizontal bi
as="0.0"
app:layout constraintStart toEndOf
="@+id/textView21"
app:layout constraintTop toTopOf="
@+id/textView21"
app:layout constraintVertical bias
="0.0"/>
</androidx.constraintlayout.widget</pre>
.ConstraintLayout>
</RelativeLayout>
```

Logged.java

```
package com.example.dnyanlog;
                                                  readData(username);
                                                  initializeTextToSpeech();
import
androidx.annotation.NonNull;
import
                                              }
androidx.appcompat.app.AppCompatAc
tivity;
                                              private void
                                          initializeTextToSpeech() {
import android.content.Intent;
                                                  tts = new
import android.os.Build;
                                          TextToSpeech(this, new
import android.os.Bundle;
                                          TextToSpeech.OnInitListener() {
import
                                                      @Override
android.speech.SpeechRecognizer;
                                                      public void onInit(int
import
                                          i) {
android.speech.tts.TextToSpeech;
import android.widget.TextView;
                                          (tts.getEngines().size()==0) {
import android.widget.Toast;
                                          Toast.makeText(Logged.this,
import
                                          "Engine is not available",
                                          Toast.LENGTH SHORT).show();
com.google.android.gms.tasks.OnCom
pleteListener;
                                                          else{
import
com.google.android.gms.tasks.Task;
                                          Toast.makeText(Logged.this, name,
import
com.google.firebase.database.DataS
                                          Toast.LENGTH SHORT).show();
napshot;
                                                              name =
import
                                          t1.getText().toString().trim();
com.google.firebase.database.Datab
                                                              gender =
aseReference;
                                          t2.getText().toString().trim();
import
                                                              phone =
com.google.firebase.database.Fireb
                                          t3.getText().toString().trim();
aseDatabase;
                                          tts.speak("Your name is "+name+"
public class Logged extends
                                          "+"Your gender is a "+gender+"
                                          "+"Your phone no is "+phone,
AppCompatActivity {
                                          TextToSpeech.QUEUE FLUSH, null);
    TextView t1 , t2 , t3;
    String name , gender, phone;
                                                      }
    DatabaseReference reference;
                                                  });
    TextToSpeech tts;
                                              }
                                              private void readData(String
    @Override
    protected void onCreate (Bundle
                                          uname) {
savedInstanceState) {
                                                  reference =
                                          FirebaseDatabase.getInstance().get
super.onCreate(savedInstanceState)
                                          Reference("Users");
                                          reference.child(uname).get().addOn
setContentView(R.layout.activity 1
                                          CompleteListener (new
ogged);
                                          OnCompleteListener<DataSnapshot>()
        +1 =
findViewById(R.id.textView22);
                                                      @Override
                                                      public void
        t2 =
findViewById(R.id.textView23);
                                          onComplete(@NonNull
        t3 =
                                          Task<DataSnapshot> task) {
findViewById(R.id.textView24);
                                          if(task.isSuccessful()){
        Intent i = getIntent();
        String username =
i.getStringExtra("u");
                                          if(task.getResult().exists()){
```

```
DataSnapshot dataSnapshot =
task.getResult();
                        name =
String.valueOf(dataSnapshot.child(
"name").getValue());
String.valueOf(dataSnapshot.child(
"gender").getValue());
String.valueOf(dataSnapshot.child(
"phone").getValue());
t1.setText(name);
t2.setText(gender);
t3.setText(phone);
                    else{
Toast.makeText(Logged.this, "User
doesn't exist",
Toast.LENGTH_SHORT) .show();
                   }
                }else{
Toast.makeText (MainActivity.this,
"Invalid Username",
Toast.LENGTH SHORT).show();
t3.setText("Invalid Username");
               }
       });
   }
}
```

activity_register.xml

```
<?xml version="1.0" encoding="utf-</pre>
8"?>
                                          android:layout marginStart="85dp"
                                          android:layout marginTop="80dp"
<ScrollView
xmlns:app="http://schemas.android.
                                          android:layout marginEnd="86dp"
com/apk/res-auto"
xmlns:tools="http://schemas.androi
                                          android:fontFamily="sans-serif-
d.com/tools"
                                         black"
xmlns:android="http://schemas.andr
                                          android:text="REGISTER"
oid.com/apk/res/android"
                                          android:textColor="#2400FF"
android:layout width="match parent
                                          android:textSize="34dp"
android:layout height="match paren
                                          android:textStyle="bold"
                                          app:layout constraintEnd toEndOf="
android:background="@drawable/regi
                                         parent"
ster"
                                          app:layout constraintStart toStart
                                          Of="parent"
<androidx.constraintlayout.widget.</pre>
                                          app:layout constraintTop toTopOf="
ConstraintLayout
                                          parent" />
android:layout width="match parent
                                                  <EditText
                                          android:id="@+id/editTextTextPerso
android:layout height="match paren
                                          nName3"
                                          android:layout width="266dp"
android:layout alignParentStart="t
                                          android:layout height="55dp"
android:layout alignParentLeft="tr
                                          android:layout marginStart="33dp"
ue"
                                          android:layout marginTop="20dp"
android:layout alignParentTop="tru
                                          android:layout marginEnd="34dp"
android:layout alignParentEnd="tru
                                          android:layout marginBottom="5dp"
                                          android:background="@drawable/plai
android:layout alignParentRight="t
                                          n box"
                                                      android:ems="10"
android:layout alignParentBottom="
                                          android:hint="Username"
true"
        tools:context=".register">
                                          android:inputType="textPersonName"
        <TextView
                                          android:paddingStart="20dp"
android:id="@+id/textView5"
                                          android:textColor="#000000"
                                          android:textColorHint="#000000"
android:layout width="wrap content
                                          android:textSize="16dp"
android:layout height="wrap conten
±."
                                          app:layout constraintBottom toTopO
```

```
f="@+id/textView8"
                                         Of="@+id/editTextTextPersonName3"
app:layout constraintEnd toEndOf="
                                         app:layout constraintTop toBottomO
parent"
                                         f="@+id/textView8">
app:layout constraintStart toStart
                                                      <RadioButton
Of="parent"
                                         android:id="@+id/radioButton4"
app:layout constraintTop toBottomO
f="@+id/textView5" />
                                         android:layout width="80dp"
        <TextView
                                         android:layout height="match paren
android:id="@+id/textView8"
                                         android:text="Male"
android:layout width="62dp"
                                         android:textColor="#000000"
android:layout height="23dp"
                                         android:textSize="16dp"
android:layout marginTop="10dp"
                                                          />
            android:text="Gender"
                                                      < Radio Button
android:textColor="#2400FE"
                                         android:id="@+id/radioButton5"
android:textSize="14dp"
                                         android:layout width="95dp"
app:layout constraintBottom toTop0
f="@+id/radioGroup"
                                         android:layout height="match paren
app:layout constraintEnd toEndOf="
@+id/radioGroup"
                                         android:text="Female"
                                         android:textColor="#000000"
app:layout constraintHorizontal bi
as="0.0"
                                         android:textSize="16dp" />
app:layout constraintStart toStart
Of="@+id/radioGroup"
                                                      <RadioButton
app:layout constraintTop toBottomO
                                         android:id="@+id/radioButton6"
f="@+id/editTextTextPersonName3"
/>
                                         android:layout width="89dp"
        <RadioGroup
                                         android:layout height="match paren
                                         t"
android:id="@+id/radioGroup"
                                         android:text="Others"
android:layout width="265dp"
                                         android:textColor="#000000"
android:layout height="41dp"
                                         android:textSize="16dp" />
android:layout marginBottom="8dp"
                                                 </RadioGroup>
android:orientation="horizontal"
                                                 <EditText
                                         android:id="@+id/editTextTextPassw
app:layout constraintBottom toTopO
                                         ord2"
f="@+id/editTextTextPassword4"
app:layout constraintEnd toEndOf="
                                         android:layout width="264dp"
@+id/editTextTextPersonName3"
                                         android:layout height="42dp"
app:layout constraintStart toStart
```

```
f="@+id/editTextTextPassword2"
android:layout marginBottom="20dp"
android:background="@drawable/plai
                                         app:layout constraintEnd toEndOf="
n box"
                                         @+id/editTextTextPassword2"
            android:ems="10"
            android:hint="Enter
                                         app:layout constraintStart toStart
Password"
                                         Of="@+id/editTextTextPassword2"
android:inputType="textPassword"
                                         app:layout constraintTop toBottomO
                                         f="@+id/radioGroup" />
android:paddingStart="20dp"
                                                 <EditText
android:textColor="#000000"
                                         android:id="@+id/editTextTextPassw
android:textColorHint="#000000"
                                         ord3"
android:textSize="16dp"
                                         android:layout width="264dp"
                                         android:layout height="44dp"
app:layout constraintBottom toTopO
f="@+id/editTextTextPassword3"
                                         android:layout marginTop="9dp"
app:layout_constraintEnd toEndOf="
@+id/radioGroup"
                                         android:layout marginBottom="17dp"
app:layout constraintStart toStart
                                         android:background="@drawable/plai
Of="@+id/radioGroup"
                                         n box"
                                                     android:ems="10"
app:layout constraintTop toBottomO
                                                     android:hint="Confirm
f="@+id/editTextTextPassword4" />
                                         Password"
                                         android:inputType="textPassword"
        <EditText
android:id="@+id/editTextTextPassw
                                         android:paddingStart="20dp"
ord4"
                                         android:textColor="#000000"
android:layout width="264dp"
                                         android:textColorHint="#000000"
android:layout height="42dp"
                                         android:textSize="16dp"
android:layout marginTop="22dp"
                                         app:layout constraintBottom toTopO
                                         f="@+id/req"
android:layout marginBottom="24dp"
                                         app:layout constraintEnd toEndOf="
                                         @+id/editTextTextPassword2"
android:background="@drawable/plai
n box"
            android:ems="10"
                                         app:layout constraintStart toStart
            android:hint="Phone No
                                         Of="@+id/editTextTextPassword2"
                                         app:layout constraintTop toBottomO
android:inputType="none|phone"
                                         f="@+id/editTextTextPassword2" />
android:paddingStart="20dp"
                                         <androidx.appcompat.widget.AppComp</pre>
android:textColor="#000000"
                                         atButton
                                                     android:id="@+id/reg"
android:textColorHint="#000000"
                                         android:layout width="135dp"
android:textSize="16dp"
                                         android:layout height="40dp"
```

app:layout constraintBottom toTopO

```
android:layout marginStart="99dp"
                                         android:id="@+id/textView14"
android:layout marginTop="30dp"
                                         android:layout width="wrap content
android:layout marginEnd="98dp"
android:layout marginBottom="15dp"
                                         android:layout height="wrap conten
android:background="@drawable/butt
on register"
                                         android:layout marginBottom="10dp"
            android:text="Submit"
                                         android:textColor="#FF0000"
app:layout constraintBottom toBott
omOf="parent"
                                         android:textSize="10dp"
app:layout constraintEnd toEndOf="
                                         android:textStyle="bold"
parent"
                                         app:layout constraintBottom toTopO
app:layout_constraintStart toStart
                                         f="@+id/editTextTextPassword2"
Of="parent"
                                         app:layout_constraintEnd toEndOf="
app:layout constraintTop toBottomO
                                         @+id/editTextTextPassword4"
f="@+id/editTextTextPassword3" />
                                         app:layout_constraintHorizontal bi
                                         as="0.091"
        <TextView
android:id="@+id/textView11"
                                         app:layout constraintStart toStart
                                         Of="@+id/editTextTextPassword4"
android:layout width="wrap content
                                         app:layout constraintTop toBottomO
                                         f="@+id/editTextTextPassword4"
android:layout height="wrap conten
t"
                                         app:layout constraintVertical bias
                                         ="1.0" />
android:layout marginBottom="1dp"
                                                 <TextView
android:textColor="#FF0000"
                                         android:id="@+id/textView15"
android:textSize="10dp"
                                         android:layout width="wrap content
android:textStyle="bold"
app:layout constraintBottom toTopO
                                         android:layout height="wrap conten
f="@+id/textView8"
app:layout constraintEnd toEndOf="
                                         android:layout marginBottom="15dp"
@+id/editTextTextPersonName3"
                                         android:textColor="#FF0000"
app:layout constraintHorizontal bi
as="0.097"
                                         android:textSize="10dp"
app:layout constraintStart toStart
                                         android:textStyle="bold"
Of="@+id/editTextTextPersonName3"
                                         app:layout constraintBottom toTopO
app:layout constraintTop toBottomO
                                         f="@+id/editTextTextPassword3"
f="@+id/editTextTextPersonName3"
                                         app:layout constraintEnd toEndOf="
app:layout constraintVertical bias
                                         @+id/editTextTextPassword2"
="0.0" />
                                         app:layout constraintHorizontal bi
```

<TextView

```
as="0.092"
                                         android:textSize="10dp"
app:layout constraintStart toStart
                                         android:textStyle="bold"
Of="@+id/editTextTextPassword2"
                                         app:layout constraintBottom_toTopO
app:layout constraintTop toBottomO
                                         f="@+id/editTextTextPassword4"
f="@+id/editTextTextPassword2"
                                         app:layout constraintEnd toEndOf="
app:layout constraintVertical bias
                                         @+id/radioGroup"
="0.0" />
                                         app:layout constraintHorizontal bi
                                         as="0.092"
        <TextView
android:id="@+id/textView16"
                                         app:layout constraintStart toStart
                                         Of="@+id/radioGroup"
android:layout width="wrap content
                                         app:layout constraintTop toBottomO
                                         f="@+id/radioGroup"
android:layout height="wrap conten
                                         app:layout constraintVertical bias
                                         ="0.0"/>
android:layout marginBottom="32dp"
android:textColor="#FF0000"
                                         </androidx.constraintlayout.widget</pre>
                                         .ConstraintLayout>
                                         </scrollView>
android:textSize="10dp"
android:textStyle="bold"
app:layout constraintBottom toTop0
f="@+id/reg"
app:layout constraintEnd toEndOf="
@+id/editTextTextPassword3"
app:layout constraintHorizontal bi
as="0.093"
app:layout constraintStart toStart
Of="@+id/editTextTextPassword3"
app:layout constraintTop toBottomO
f="@+id/editTextTextPassword3"
app:layout constraintVertical bias
="0.0" />
        <TextView
android:id="@+id/textView12"
android:layout width="wrap content
android:layout height="wrap conten
t."
android:layout marginBottom="16dp"
android:textColor="#FF0000"
```

Register.java

```
package com.example.dnyanlog;
                                          this.getWindow().setFlags(WindowMa
                                          nager.LayoutParams.FLAG FULLSCREEN
import static
android.text.TextUtils.isEmpty;
                                         {\it Window Manager. Layout Params. FLAG\_FU}
androidx.annotation.NonNull;
                                          LLSCREEN);
import
androidx.appcompat.app.AppCompatAc
                                         setContentView(R.layout.activity r
tivity;
                                         egister);
import
                                          findViewById(R.id.editTextTextPers
android.annotation.SuppressLint;
                                          onName3);
import android.content.Intent;
                                                  phone =
import android.os.Bundle;
                                         findViewById(R.id.editTextTextPass
import android.text.TextUtils;
                                         word4);
import android.view.View;
                                                  password =
import android.widget.Button;
                                         findViewById(R.id.editTextTextPass
import android.widget.EditText;
                                         word2);
import android.widget.RadioButton;
                                                 password2 =
import android.widget.RadioGroup;
                                         findViewById(R.id.editTextTextPass
import android.widget.TextView;
                                         word3);
import android.widget.Toast;
                                                  ename =
                                          findViewById(R.id.textView11);
import
                                                  egen =
com.google.android.gms.tasks.OnCom
                                          findViewById(R.id.textView12);
pleteListener;
                                                 ephone =
import
                                          findViewById(R.id.textView14);
com.google.android.gms.tasks.Task;
                                                 epassword =
                                          findViewById(R.id.textView15);
com.google.firebase.database.Datab
                                                 epassword2 =
aseReference;
                                          findViewById(R.id.textView16);
                                                 rg =
import
com.google.firebase.database.Fireb
                                          findViewById(R.id.radioGroup);
aseDatabase;
                                                 btn =
                                          findViewById(R.id.reg);
public class register extends
AppCompatActivity {
   EditText
                                         rg.setOnCheckedChangeListener(new
name, phone, password, password2;
                                         RadioGroup.OnCheckedChangeListener
   RadioGroup rg;
    String gender1;
                                          () {
   Button btn;
                                                      @Override
    TextView ename, egen, ephone,
                                                      public void
                                         onCheckedChanged(RadioGroup
epassword , epassword2;
    String n,g,p,pass;
                                         radioGroup, int i) {
    FirebaseDatabase db;
                                                          RadioButton rb =
    DatabaseReference reference;
                                         radioGroup.findViewById(i);
                                                          gender1 =
                                         rb.getText().toString();
@SuppressLint("MissingInflatedId")
    @Override
                                                  });
    protected void onCreate(Bundle
savedInstanceState) {
super.onCreate(savedInstanceState)
                                                  btn.setOnClickListener(new
                                         View.OnClickListener() {
                                                      @Override
getSupportActionBar().hide(); //
                                                      public void
hide the title bar
                                         onClick(View view) {
```

```
refresh();
                                          if(!n.isEmpty() && !g.isEmpty() &&
if(name.getText().toString().isEmp
                                          !p.isEmpty() && !pass.isEmpty()){
ty()){
                                                                       Users
                                          users = new Users(n,g,p,pass);
ename.setText("name must be
                                                                      db =
                                          FirebaseDatabase.getInstance();
given");
                                          reference =
if(phone.getText().toString().isEm
                                          db.getReference("Users");
pty()){
                                          reference.child(n).setValue(users)
ephone.setText("phone no must be
                                          .addOnCompleteListener(new
given");
                                          OnCompleteListener<Void>() {
                }else {
                                          @Override
                    i f
(phone.getText().length() != 10) {
                                          public void onComplete (@NonNull
                                          Task<Void> task) {
ephone.setText("phone no must be
of 10 digits");
                                          refresh();
                                          Toast.makeText(register.this, "You
                                         have successfully registered",
                                         Toast.LENGTH SHORT).show();
                if(gender1 ==
null) {
                                          Intent i = new
egen.setText("Gender must be
                                          Intent(register.this, MainActivity.
selected");
                                          class);
                                          startActivity(i);
if (password.getText().toString().t
                                                                       });
rim().isEmpty()){
                                                                  }
epassword.setText("password must
                                                              }
be given");
                                                          }
}if(password2.getText().toString()
.isEmpty()){
                                                      }
                                                  });
epassword2.setText("Confirm
password must be given");
                }else{
                                              }
if(!password.getText().toString().
equals(password2.getText().toStrin
                                              private void refresh() {
g())){
                                                  ename.setText("");
                                                  egen.setText("");
epassword2.setText("Confirm
                                                  ephone.setText("");
password must be same as the given
                                                  epassword.setText("");
password");
                                                  epassword2.setText("");
                     }else{
                                              }
                                          }
name.getText().toString();
gender1;
phone.getText().toString();
password.getText().toString();
```

Users.java

```
package com.example.dnyanlog;
public class Users {
    String name;
    String gender;
    public void setName(String
name) {
        this.name = name;
    public void setGender (String
gender) {
       this.gender = gender;
    public void setPhone(String
phone) {
       this.phone = phone;
    public void setPassword(String
password) {
       this.password = password;
    String phone;
    String password;
    public String getName() {
      return name;
    public String getGender() {
      return gender;
    public String getPhone() {
       return phone;
    public String getPassword() {
       return password;
    }
    public Users (String name ,
String gender, String phone,
String password) {
        this.name = name;
        this.gender = gender;
        this.phone = phone;
        this.password = password;
}
```

This is not a layout file. It is just used as a class file to store data on the local storage and then send it to the database

activity_forget.xml

```
<?xml version="1.0" encoding="utf-</pre>
                                          android:layout marginTop="203dp"
                                          android:layout marginEnd="80dp"
<RelativeLayout
xmlns:app="http://schemas.android.
com/apk/res-auto"
                                          android:background="@drawable/plai
                                          n box"
                                                      android:ems="10"
xmlns:tools="http://schemas.androi
d.com/tools"
                                          android:hint="Username"
xmlns:android="http://schemas.andr
oid.com/apk/res/android"
                                          android:inputType="textPersonName"
android:layout width="match parent
                                          android:paddingStart="18dp"
                                          android:textColor="#000000"
android:layout height="match paren
                                          android:textColorHint="#000000"
                                          app:layout constraintBottom toTopO
<androidx.constraintlayout.widget.</pre>
                                          f="@+id/textView17"
ConstraintLayout
                                          app:layout constraintEnd toEndOf="
android:layout width="match parent
                                          parent"
                                          app:layout constraintStart toStart
                                          Of="parent"
android:layout height="match paren
                                          app:layout constraintTop toTopOf="
android:layout alignParentStart="t
                                          parent" />
rue"
                                                  <EditText
android:layout alignParentLeft="tr
                                          android:id="@+id/editTextPhone"
android:layout alignParentTop="tru
                                          android:layout width="255dp"
                                          android:layout height="45dp"
android:layout alignParentEnd="tru
                                          android:layout marginTop="50dp"
android:layout alignParentRight="t
                                          android:background="@drawable/plai
rue"
                                          n box"
                                                      android:ems="10"
android:layout alignParentBottom="
                                                      android:hint="Phone
                                          No"
android:background="@drawable/forg
                                          android:inputType="phone"
et"
        tools:context=".forget">
                                          android:paddingStart="18dp"
                                          android:textColor="#000000"
        <EditText
android:id="@+id/editTextTextPerso
                                          android:textColorHint="#000000"
nName2"
                                          app:layout constraintBottom toTopO
android:layout width="253dp"
                                          f="@+id/textView13"
android:layout height="49dp"
                                          app:layout constraintEnd toEndOf="
                                          @+id/editTextTextPersonName2"
android:layout marginStart="78dp"
                                          app:layout constraintHorizontal bi
```

```
as="1.0"
                                          android:textColor="#FF0000"
app:layout constraintStart toStart
Of="@+id/editTextTextPersonName2"
                                         android:textSize="16dp"
app:layout constraintTop toBottomO
                                         android:textStyle="bold"
f="@+id/textView17" />
                                         app:layout constraintBottom toTopO
        <EditText
                                          f="@+id/editTextPhone2"
android:id="@+id/editTextPhone2"
                                         app:layout constraintEnd toEndOf="
                                          @+id/editTextPhone"
android:layout width="255dp"
                                         app:layout constraintHorizontal bi
                                         as="0.504"
android:layout height="45dp"
android:background="@drawable/plai
                                         app:layout constraintStart toStart
n box"
                                         Of="@+id/editTextPhone"
            android:ems="10"
            android:hint="OTP"
                                         app:layout constraintTop toBottomO
                                         f="@+id/editTextPhone" />
android:inputType="phone"
android:paddingStart="18dp"
                                         <androidx.appcompat.widget.AppComp</pre>
                                         atButton
android:textColor="#000000"
                                         android:id="@+id/button4"
android:textColorHint="#000000"
                                         android:layout width="134dp"
app:layout constraintBottom toTopO
f="@+id/textView18"
                                          android:layout height="47dp"
app:layout constraintEnd toEndOf="
                                          android:layout marginTop="9dp"
@+id/button2"
                                          android:layout marginBottom="120dp
app:layout constraintStart toStart
Of="@+id/button2"
                                          android:background="@drawable/butt
app:layout constraintTop toBottomO
                                         on shape pressed"
f="@+id/button2" />
                                          android:fontFamily="sans-serif"
                                                      android:text="Submit"
<androidx.appcompat.widget.AppComp</pre>
                                         android:textColor="#0004FF"
atButton
android:id="@+id/button2"
                                         android:textSize="16dp"
android:layout width="134dp"
                                         android:textStyle="bold"
android:layout height="47dp"
                                         app:layout constraintBottom toBott
                                         omOf="parent"
android:layout marginTop="30dp"
                                          app:layout constraintEnd toEndOf="
                                         @+id/editTextPhone2"
android:layout marginBottom="15dp"
android:background="@drawable/butt
                                          app:layout constraintStart toStart
on"
                                         Of="@+id/editTextPhone2"
android:fontFamily="sans-serif"
                                         app:layout constraintTop toBottomO
                                         f="@+id/textView18" />
            android:text="Genrate
OTP"
```

```
<TextView
android:id="@+id/textView13"
android:layout width="wrap content
android:layout height="wrap conten
android:layout marginBottom="18dp"
android:textColor="#FF0000"
android:textSize="10dp"
android:textStyle="bold"
app:layout constraintBottom toTopO
f="@+id/but.ton2"
app:layout constraintEnd toEndOf="
@+id/editTextPhone"
app:layout constraintHorizontal bi
as="0.088"
app:layout constraintStart toStart
Of="@+id/editTextPhone"
app:layout constraintTop toBottomO
f="@+id/editTextPhone" />
        <TextView
android:id="@+id/textView18"
android:layout width="wrap content
android:layout height="wrap conten
t"
android:textColor="#FF0000"
android:textSize="10dp"
android:textStyle="bold"
app:layout constraintBottom toTopO
f="@+id/button4"
app:layout constraintEnd toEndOf="
@+id/editTextPhone2"
app:layout constraintHorizontal bi
as="0.084"
app:layout constraintStart toStart
```

Of="@+id/editTextPhone2"

```
app:layout constraintTop toBottomO
f="@+id/editTextPhone2" />
        <TextView
android:id="@+id/textView17"
android:layout width="wrap content
android:layout height="wrap conten
android:textColor="#FF0000"
android:textSize="10dp"
android:textStyle="bold"
app:layout_constraintBottom toTopO
f="@+id/editTextPhone"
app:layout constraintEnd toEndOf="
@+id/editTextTextPersonName2"
app:layout constraintHorizontal bi
as="0.089"
app:layout constraintStart toStart
Of="@+id/editTextTextPersonName2"
app:layout constraintTop toBottomO
f="@+id/editTextTextPersonName2"
/>
</androidx.constraintlayout.widget</pre>
.ConstraintLayout>
</RelativeLayout>
```

Forget.java

```
String n1, n2, n3;
package com.example.dnyanlog;
                                              TextView t1, t2,t3;
import
androidx.annotation.NonNull;
import
                                              DatabaseReference reference;
androidx.appcompat.app.AppCompatAc
tivity;
                                              FirebaseAuth mAuth;
                                              String verficationID;
import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.view.View;
import android.view.WindowManager;
import android.widget.Button;
                                              @Override
import android.widget.EditText;
                                              protected void onCreate (Bundle
import android.widget.TextView;
                                         savedInstanceState) {
import android.widget.Toast;
                                          super.onCreate(savedInstanceState)
import
com.google.android.gms.tasks.OnCom
                                          getSupportActionBar().hide(); //
pleteListener;
                                          hide the title bar
import
com.google.android.gms.tasks.Task;
                                          this.getWindow().setFlags(WindowMa
import
com.google.firebase.FirebaseExcept
                                          nager.LayoutParams.FLAG FULLSCREEN
ion;
                                          //
import
com.google.firebase.auth.AuthResul
                                          WindowManager.LayoutParams.FLAG FU
                                          LLSCREEN);
import
com.google.firebase.auth.FirebaseA
                                          setContentView(R.layout.activity f
uth;
                                          orget);
import
com.google.firebase.auth.PhoneAuth
                                                  phone =
Credential;
                                          findViewById(R.id.editTextPhone);
import
                                                  otp =
com.google.firebase.auth.PhoneAuth
                                          findViewById(R.id.editTextPhone2);
Options;
                                                  btngenOTP =
import
                                          findViewById(R.id.button2);
com.google.firebase.auth.PhoneAuth
                                                  btnVerify =
Provider;
                                          findViewById(R.id.button4);
import
                                                  username =
com.google.firebase.database.DataS
                                          findViewById(R.id.editTextTextPers
napshot;
                                          onName2);
import
                                                  t1 =
com.google.firebase.database.Datab
                                          findViewById(R.id.textView17);
aseReference;
                                                  t2 =
                                          findViewById(R.id.textView13);
import
com.google.firebase.database.Fireb
                                                  +3 =
aseDatabase;
                                          findViewById(R.id.textView18);
                                                 mAuth =
import
                                          FirebaseAuth.getInstance();
java.util.concurrent.TimeUnit;
                                         mAuth.getFirebaseAuthSettings().se
public class forget extends
                                          tAppVerificationDisabledForTesting
                                          (true);
AppCompatActivity {
    EditText phone , otp ,
                                         btngenOTP.setOnClickListener(new
    Button btngenOTP , btnVerify;
                                         View.OnClickListener() {
    String mob , nav, pa;
                                                      @Override
```

```
public void
                                         verifycode(otp.getText().toString(
onClick(View view) {
                                         ));
                refresh();
                                                  });
if (TextUtils.isEmpty(username.getT
ext().toString())){
                                              }
t1.setText("Username must be
                                             private void readData(String
given");
                                         uname) {
                }else {
                                                  reference =
                    nav =
                                          FirebaseDatabase.getInstance().get
username.getText().toString();
                                         Reference("Users");
                    readData(nav);
                                          reference.child(uname).get().addOn
                                         CompleteListener(new
(!username.getText().toString().eq
                                         OnCompleteListener<DataSnapshot>()
uals(n1)){
                                                      @Override
t1.setText("Invalid Username");
                                                      public void
                                         onComplete (@NonNull
                                         Task<DataSnapshot> task) {
                String p1 =
phone.getText().toString();
                                          (task.isSuccessful()) {
                if(p1.length() !=
10 && TextUtils.isEmpty(p1)){
                                                              i f
                                          (task.getResult().exists()) {
t2.setText("Invalid phone no");
                                         DataSnapshot dataSnapshot =
                                         task.getResult();
                else{
                                                                  n1 =
                                          String.valueOf(dataSnapshot.child(
if(p1.equals(n3)){
                                          "name").getValue());
                        String
number =
                                                                  n2 =
phone.getText().toString();
                                         String.valueOf(dataSnapshot.child(
                                         "password").getValue());
sendVerificationcode (number);
                                                                  n3 =
                    }else {
                                         String.valueOf(dataSnapshot.child(
                                         "phone").getValue());
t2.setText("Phone no is not
registered");
                                                              } else {
                                         Toast.makeText(forget.this, "User
                }
                                         doesn't exist".
            }
                                         Toast.LENGTH SHORT).show();
        });
                                                             }
btnVerify.setOnClickListener(new
                                                          } else {
View.OnClickListener() {
            @Override
                                          Toast.makeText (MainActivity.this,
            public void
                                          "Invalid Username",
onClick(View view) {
                                         Toast.LENGTH SHORT).show();
if (TextUtils.isEmpty(otp.getText()
                                         t3.setText("Invalid Username");
.toString())){
                                                          }
t3.setText("Otp must be of 6
                                                  });
digits");
                                              }
                                             private void refresh() {
                                                  t1.setText("");
                else{
                                                  t2.setText("");
```

```
// Phone number to verify
    }
                                          .setTimeout(60L, TimeUnit.SECONDS)
    private void verifycode (String
                                          // Timeout and unit
code) {
        PhoneAuthCredential
                                          .setActivity(this)
credential =
                                          // Activity (for callback binding)
PhoneAuthProvider.getCredential(ve
rficationID, code);
                                          .setCallbacks(mCallbacks)
signinbyCredentials(credential);
                                          {\it OnVerificationStateChangedCallback}
    }
                                                                   .build();
    public void
signinbyCredentials(PhoneAuthCrede
                                          PhoneAuthProvider.verifyPhoneNumbe
ntial credential) {
                                          r(options);
        FirebaseAuth firebaseAuth
= FirebaseAuth.getInstance();
                                              }
                                              private
firebaseAuth.signInWithCredential(
                                          PhoneAuthProvider.OnVerificationSt
credential)
                                          ateChangedCallbacks
                                              mCallbacks = new
.addOnCompleteListener(new
                                          PhoneAuthProvider.OnVerificationSt
OnCompleteListener<AuthResult>() {
                                          ateChangedCallbacks() {
                    @Override
                    public void
                                                  @Override
onComplete (@NonNull
                                                  public void
Task<AuthResult> task) {
                                          onVerificationCompleted(@NonNull
                                          PhoneAuthCredential credential) {
if(task.isSuccessful()){
                                                      final String code =
                                          credential.getSmsCode();
Toast.makeText(forget.this,
                                                      if(code!= null){
"Verified",
                                                          verifycode(code);
Toast.LENGTH SHORT).show();
                                                      }
startActivity(new
Intent(forget.this, Password.class)
                                                  @Override
                                                  public void
);
                                          onVerificationFailed(@NonNull
                                          FirebaseException e) {
                             Intent
intent = new
Intent(forget.this, Password.class)
                                          Toast.makeText(forget.this,
                                          "Verification Failed",
                                          Toast.LENGTH SHORT).show();
intent.putExtra("pass",n2);
                                                  @Override
                                                  public void
forget.this.startActivity(intent);
                                          onCodeSent(@NonNull String s,
                                                          @NonNull
                                          PhoneAuthProvider.ForceResendingTo
                });
                                          ken token) {
    }
                                          super.onCodeSent(s, token);
                                                      verficationID = s;
    private void
sendVerificationcode(String
                                                  }
number) {
                                              };
        PhoneAuthOptions options =
PhoneAuthOptions.newBuilder(mAuth)
```

.setPhoneNumber("+91"+number)

activity_password.xml

```
android:layout marginEnd="72dp"
<?xml version="1.0" encoding="utf-</pre>
8"?>
                                                      android:text="Your
<RelativeLayout
                                          password is
xmlns:android="http://schemas.andr
oid.com/apk/res/android"
                                          android:textColor="#000000"
xmlns:app="http://schemas.android.
                                          android:textSize="34dp"
com/apk/res-auto"
                                          app:layout constraintBottom toTopO
xmlns:tools="http://schemas.androi
                                          f="@+id/textView26"
d.com/tools"
                                          app:layout constraintEnd toEndOf="
android:layout width="match parent
                                          parent"
                                          app:layout constraintStart toStart
android:layout height="match paren
                                          Of="parent"
                                          app:layout constraintTop toTopOf="
    tools:context=".Password">
                                          parent" />
                                                 <TextView
<androidx.constraintlayout.widget.</pre>
ConstraintLayout
                                          android:id="@+id/textView26"
android:layout width="match parent
                                          android:layout width="wrap content
android:layout height="match paren
                                          android:layout height="wrap conten
android:layout alignParentStart="t
                                          android:layout marginStart="157dp"
rue"
                                          android:layout marginTop="20dp"
android:layout alignParentLeft="tr
ue"
                                          android:layout marginEnd="157dp"
android:layout alignParentTop="tru
                                          android:layout marginBottom="411dp
android:layout alignParentEnd="tru
                                          android:text="TextView"
                                          android:textColor="#FF0000"
android:layout alignParentBottom="
                                          android:textSize="24dp"
android:background="@drawable/regi
                                          android:textStvle="bold"
ster">
                                          app:layout constraintBottom toBott
                                          omOf="parent"
        <TextView
android:id="@+id/textView25"
                                          app:layout constraintEnd toEndOf="
                                          parent"
android:layout width="wrap content
                                          app:layout constraintHorizontal bi
                                          as="0.666"
android:layout height="wrap conten
t."
                                          app:layout constraintStart toStart
                                          Of="parent"
android:layout marginStart="72dp"
                                          app:layout constraintTop toBottomO
android:layout marginTop="223dp"
                                          f="@+id/textView25" />
```

Password.java

```
</androidx.constraintlayout.widget</pre>
.ConstraintLayout>
</RelativeLayout>
package com.example.dnyanlog;
import
androidx.appcompat.app.AppCompatAc
tivity;
import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;
public class Password extends
AppCompatActivity {
    TextView t1;
    @Override
    protected void onCreate(Bundle
savedInstanceState) {
super.onCreate(savedInstanceState)
setContentView(R.layout.activity p
assword);
        t1 =
findViewById(R.id.textView26);
        Intent i = getIntent();
        String pass =
i.getStringExtra("pass");
       t1.setText(pass);
}
```

OUTPUT





























