1. **Login form\_Final:-**

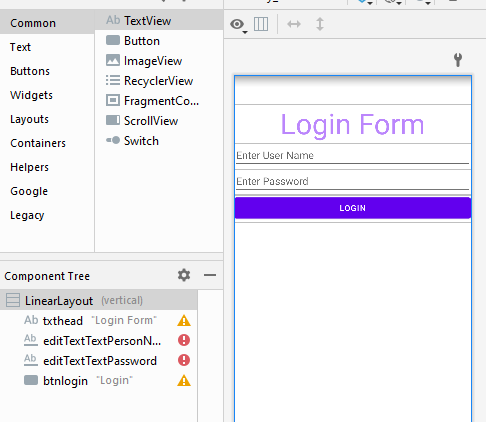
**MainActivity.kt**

**package** com.example.p3\_loginform\_final  
**import** android.content.Intent  
**import** androidx.appcompat.app.AppCompatActivity  
**import** android.os.Bundle  
**import** android.widget.Button  
**import** android.widget.EditText  
**import** android.widget.Toast  
**class** MainActivity : AppCompatActivity() {  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
 **var** etid: EditText =findViewById(R.id.*editTextTextPersonName*);  
 **var** etpass: EditText =findViewById(R.id.*editTextTextPassword*);  
 **var** btn: Button =findViewById(R.id.*btnlogin*);  
 btn.setOnClickListener**{  
 var** nm=etid.*text*.toString();  
 **var** ps=etpass.*text*.toString();  
 **if** (nm==**"kamini"** && ps==**"kamini"**) {  
 **var** intent = Intent(**this**, MainActivity2::**class**.*java*)  
 intent.putExtra(**"name"**, nm)  
 startActivity(intent)  
 }  
 **}** }  
}

**MainActivity2.kt**

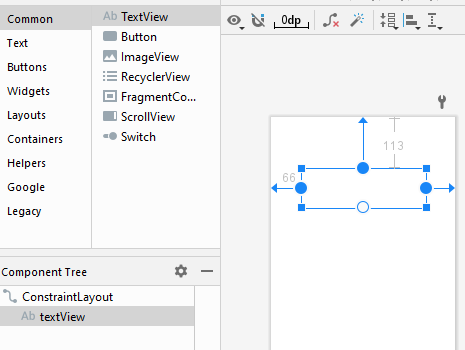
**package** com.example.p3\_loginform\_final  
**import** androidx.appcompat.app.AppCompatActivity  
**import** android.os.Bundle  
**import** android.widget.TextView  
  
**class** MainActivity2 : AppCompatActivity() {  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main2*)  
 **var** tv:TextView=findViewById(R.id.*textView*);  
 **var** ss:String = **"welcone to "**+*intent*.getStringExtra(**"name"**).*toString*();  
 tv.setText(ss);  
 }  
}

**activit­\_mainxml**

****

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:paddingTop="50dp"  
 tools:context=".MainActivity"**>  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/txthead"  
 android:text="Login Form"  
 android:textAlignment="center"  
 android:textSize="50dp"  
 android:textColor="@color/purple\_200"**/>  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Enter User Name"  
 android:inputType="textPersonName"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPassword"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="textPassword"  
 android:hint="Enter Password"**/>  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btnlogin"  
 android:text="Login"**/>  
  
</**LinearLayout**>

**activit­\_main2xml**

****

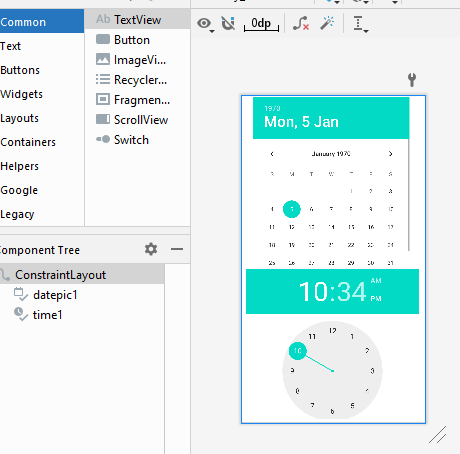
*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity2"**>  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="0dp"  
 android:layout\_height="89dp"  
 android:layout\_marginStart="66dp"  
 android:layout\_marginTop="113dp"  
 android:layout\_marginEnd="66dp"  
 android:gravity="center"  
 android:textColor="#C82121"  
 android:textSize="20sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
</**androidx.constraintlayout.widget.ConstraintLayout**>

1. **dateTimePickerAll:-**

**MainActivity.kt**

**package** com.example.datetimepickerall  
**import** androidx.appcompat.app.AppCompatActivity  
**import** android.os.Bundle  
**import** android.widget.DatePicker  
**import** android.widget.TimePicker  
**import** android.widget.Toast  
**class** MainActivity : AppCompatActivity() {  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
 **var** dp:DatePicker=findViewById(R.id.*datepic1*)  
 **var** tp:TimePicker=findViewById(R.id.*time1*);  
 dp.setOnDateChangedListener **{** picker, Year, Month, Day **->  
 var** msg:String = Day.toString() + **"/"** + (Month + 1).toString() + **"/"** + Year.toString()  
 Toast.makeText(**this**,msg,Toast.*LENGTH\_LONG*).show()  
 **}** tp.setOnTimeChangedListener **{** picker, HR, MUN **->  
 var** t: String = HR.toString() + **" : "** + MUN.toString()  
 Toast.makeText(**this**,t,Toast.*LENGTH\_LONG*).show()  
 **}** }  
}

**activit­\_mainxml**



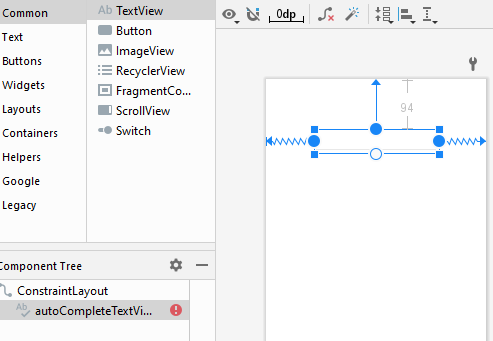
*<?*xml version="1.0" encoding="utf-8"*?>*<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
  
 <DatePicker  
 android:id="@+id/datepic1"  
 android:layout\_width="0dp"  
 android:layout\_height="0dp"  
 android:layout\_marginStart="27dp"  
 android:layout\_marginTop="4dp"  
 android:layout\_marginEnd="27dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/time1"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <TimePicker  
 android:id="@+id/time1"  
 android:layout\_width="387dp"  
 android:layout\_height="336dp"  
 android:layout\_marginStart="11dp"  
 android:layout\_marginEnd="11dp"  
 android:layout\_marginBottom="6dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/datepic1" />  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

1. **Auto Complete TextView:-**

**MainActivity.kt**

**package** com.example.a2\_autocompletetextview  
  
**import** androidx.appcompat.app.AppCompatActivity  
**import** android.os.Bundle  
**import** android.widget.ArrayAdapter  
**import** android.widget.AutoCompleteTextView  
**import** android.widget.MultiAutoCompleteTextView  
  
**class** MainActivity : AppCompatActivity() {  
 **val state** = *arrayOf*(**"Gujarat"**, **"Goa"**, **"MP"**, **"Maharashtra"**, **"UP"**)  
  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
  
 **var** autoTextView:AutoCompleteTextView=findViewById(R.id.*autoCompleteTextView*);  
 **val** adapter: ArrayAdapter<String> = ArrayAdapter<String>(**this**,android.R.layout.*select\_dialog\_item*, **state**)  
 autoTextView.setAdapter(adapter)  
 autoTextView.*threshold* = 1  
  
  
 **var** mautoTextView: MultiAutoCompleteTextView = findViewById(R.id.multiAutoCompleteTextView);  
 mautoTextView.setAdapter(adapter);  
 mautoTextView.setTokenizer(MultiAutoCompleteTextView.CommaTokenizer());  
 mautoTextView.*threshold* = 1  
 }  
}

**activit­\_mainxml**

****

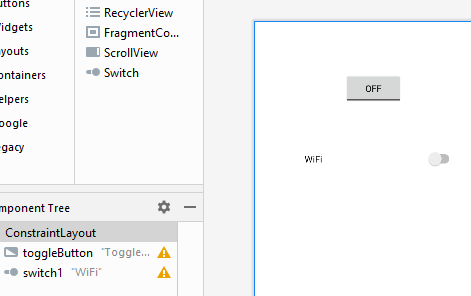
*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"**>  
 <**AutoCompleteTextView  
 android:id="@+id/autoCompleteTextView"  
 android:layout\_width="233dp"  
 android:layout\_height="0dp"  
 android:layout\_marginTop="94dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
</**androidx.constraintlayout.widget.ConstraintLayout**>

1. **Togglebutton And Switch:-**

**MainActivity.kt**

**package** com.example.togglebuttonandswitch  
  
**import** androidx.appcompat.app.AppCompatActivity  
**import** android.os.Bundle  
**import** android.widget.Switch  
**import** android.widget.Toast  
**import** android.widget.ToggleButton  
  
**class** MainActivity : AppCompatActivity() {  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
  
 **val** toggle: ToggleButton = findViewById(R.id.*toggleButton*)  
 toggle.setOnCheckedChangeListener**{**\_,isChecked**->  
 if** (isChecked) {  
 Toast.makeText(**this**,**"ON"**,Toast.*LENGTH\_LONG*).show();  
 } **else** {  
 Toast.makeText(**this**,**"OFF"**,Toast.*LENGTH\_LONG*).show();  
 }  
 **}  
  
 val** switchbutton:Switch=findViewById(R.id.*switch1*)  
 switchbutton.setOnCheckedChangeListener **{** \_, isChecked **->  
 if** (isChecked) {  
 Toast.makeText(**this**,**"ON"**,Toast.*LENGTH\_LONG*).show();  
 } **else** {  
 Toast.makeText(**this**,**"OFF"**,Toast.*LENGTH\_LONG*).show();  
 }  
 **}** }  
}

**activit­\_mainxml**

****

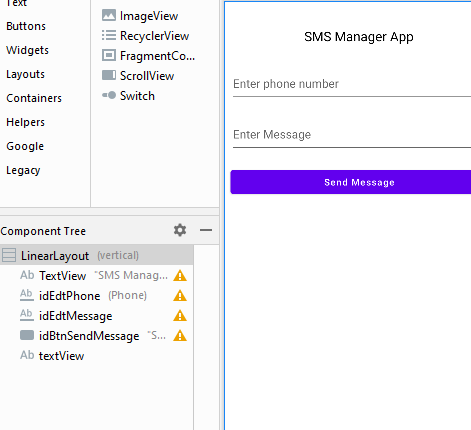
*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"**>  
  
 <**ToggleButton  
 android:id="@+id/toggleButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="61dp"  
 android:layout\_marginTop="79dp"  
 android:layout\_marginBottom="54dp"  
 android:text="ToggleButton"  
 app:layout\_constraintBottom\_toTopOf="@+id/switch1"  
 app:layout\_constraintStart\_toStartOf="@+id/switch1"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**Switch  
 android:id="@+id/switch1"  
 android:layout\_width="232dp"  
 android:layout\_height="0dp"  
 android:layout\_marginStart="77dp"  
 android:layout\_marginBottom="492dp"  
 android:text="WiFi"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/toggleButton"** />  
</**androidx.constraintlayout.widget.ConstraintLayout**>

1. **SMS:-**

**MainActivity.kt**

**package** com.example.sms  
**import** android.Manifest.permission.*SEND\_SMS***import** android.content.pm.PackageManager  
**import** android.os.Build  
**import** android.os.Bundle  
**import** android.telephony.SmsManager  
**import** android.widget.Button  
**import** android.widget.EditText  
**import** android.widget.TextView  
**import** android.widget.Toast  
**import** androidx.appcompat.app.AppCompatActivity  
**import** androidx.core.app.ActivityCompat  
**class** MainActivity : AppCompatActivity() {  
 **lateinit var phoneEdt**:EditText  
 **lateinit var messageEdt**:EditText  
 **lateinit var sendMsgBtn**:Button  
 **lateinit var tv**:TextView  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
 **phoneEdt** = findViewById(R.id.*idEdtPhone*)  
 **messageEdt** = findViewById(R.id.*idEdtMessage*)  
 **sendMsgBtn** = findViewById(R.id.*idBtnSendMessage*)  
 **tv** =findViewById(R.id.*textView*)  
 **sendMsgBtn**.setOnClickListener **{** demo()  
 **}** }  
 **private fun** demo() {  
 **if** (ActivityCompat.checkSelfPermission(**this**,android.Manifest.permission.*SEND\_SMS*) != PackageManager.*PERMISSION\_GRANTED*)  
 {  
 ActivityCompat.requestPermissions(**this**@MainActivity,  
 *arrayOf*(android.Manifest.permission.*SEND\_SMS*), 1)  
 } **else** {  
 **val** phoneNumber = **phoneEdt**.*text*.toString()  
 **val** message = **messageEdt**.*text*.toString()  
 **try** {  
 **val** smsManager:SmsManager  
 **if** (Build.VERSION.*SDK\_INT*>=23) {  
 smsManager = **this**.getSystemService(SmsManager::**class**.*java*)  
 }  
 **else**{  
 smsManager = SmsManager.getDefault()  
 }  
 smsManager.sendTextMessage(phoneNumber, **null**, message, **null**, **null**)  
 Toast.makeText(*applicationContext*, **"Message Sent"**, Toast.*LENGTH\_LONG*).show()  
 } **catch** (e: Exception) {  
 Toast.makeText(*applicationContext*, **"Please enter all the data.."**+e.**message**.*toString*(), Toast.*LENGTH\_LONG*)  
 .show()  
 **tv**.setText(e.**message**.*toString*())  
 }  
 }  
 }  
}

**activit­\_mainxml**

****

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".MainActivity"**>  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:layout\_marginStart="10dp"  
 android:layout\_marginTop="30dp"  
 android:layout\_marginEnd="10dp"  
 android:padding="10dp"  
 android:text="SMS Manager App"  
 android:textAlignment="center"  
 android:textColor="@color/black"  
 android:textSize="20sp"** />  
  
 *<!--on below line we are creating a  
 simple edit text for phone number-->* <**EditText  
 android:id="@+id/idEdtPhone"  
 android:layout\_width="384dp"  
 android:layout\_height="57dp"  
 android:layout\_marginStart="10dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginEnd="10dp"  
 android:hint="Enter phone number"  
 android:inputType="phone"** />  
  
 *<!--on below line we are creating a  
 message edit text for message-->  
  
 <!--on below line we are creating  
 a button for sending message-->* <**EditText  
 android:id="@+id/idEdtMessage"  
 android:layout\_width="387dp"  
 android:layout\_height="57dp"  
 android:layout\_marginStart="10dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginEnd="10dp"  
 android:hint="Enter Message"** />  
  
 <**Button  
 android:id="@+id/idBtnSendMessage"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginEnd="10dp"  
 android:padding="5dp"  
 android:text="Send Message"  
 android:textAllCaps="false"** />  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="73dp"** />  
  
</**LinearLayout**>

1. **Menu Demo:-**

**MainActivity.kt**

**package** com.example.menu\_demo  
  
**import** androidx.appcompat.app.AppCompatActivity  
**import** android.os.Bundle  
**import** android.view.Menu  
**import** android.view.MenuItem  
**import** android.widget.Toast  
  
**class** MainActivity : AppCompatActivity() {  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
 }  
 **override fun** onCreateOptionsMenu(menu: Menu):Boolean  
 {  
 *menuInflater*.inflate(R.menu.*mainmenu*, menu)  
 **return true** }  
  
 **override fun** onOptionsItemSelected(item: MenuItem): Boolean {  
  
 **when** (item.*itemId*) {  
 R.id.*bca*->Toast.makeText(**this**,**"BCA"**,Toast.*LENGTH\_LONG*).show()  
 R.id.*mca*->Toast.makeText(**this**,**"MCA"**,Toast.*LENGTH\_LONG*).show()  
 R.id.*bscit*->Toast.makeText(**this**,**"BSc(IT)"**,Toast.*LENGTH\_LONG*).show()  
  
 }  
  
 **return super**.onOptionsItemSelected(item)  
 }  
}

**activit­\_mainxml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Hello World!"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

1. **Image View:-**

**MainActivity.kt**

**package** com.example.imagebutton\_imageview  
  
**import** androidx.appcompat.app.AppCompatActivity  
**import** android.os.Bundle  
**import** android.widget.ImageButton  
**import** android.widget.Toast  
  
**class** MainActivity : AppCompatActivity() {  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
  
 **var** imgbtn:ImageButton=findViewById(R.id.*imageButton*);  
 imgbtn.setOnClickListener**{** Toast.makeText(**this**,**"Image Button"**,Toast.*LENGTH\_LONG*).show();  
 **}** }  
}

**activit­\_mainxml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"**>  
  
 <**ImageButton  
 android:id="@+id/imageButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="103dp"  
 android:scaleType="fitCenter"  
 android:src="@drawable/capture"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
  
 app:layout\_constraintTop\_toTopOf="parent"  
 tools:srcCompat="@tools:sample/avatars"** />  
</**androidx.constraintlayout.widget.ConstraintLayout**>

1. **Login form:-**

**MainActivity.kt**

**package** com.example.p3\_loginform  
  
**import** android.app.Activity  
**import** androidx.appcompat.app.AppCompatActivity  
**import** android.os.Bundle  
**import** android.widget.Button  
**import** android.widget.EditText  
**import** android.widget.Toast  
  
**class** MainActivity : Activity() {  
  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
  
 **var** etid: EditText =findViewById(R.id.*editTextTextPersonName*);  
 **var** etpass: EditText =findViewById(R.id.*editTextTextPassword*);  
 **var** btn: Button =findViewById(R.id.*btnlogin*);  
  
  
  
 btn.setOnClickListener**{  
  
 var** nm=etid.*text*.toString();  
 **var** ps=etpass.*text*.toString();  
 **if** (nm==**"admin"** && ps==**"admin"**) {  
 Toast.makeText(**this**, **"Login sucessfully"**, Toast.*LENGTH\_LONG*).show();  
 }  
 **}** }  
}

**activit­\_mainxml**

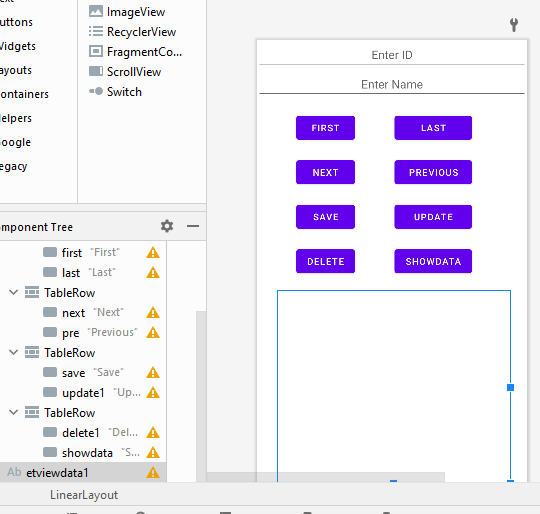
*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:paddingTop="50dp"  
 tools:context=".MainActivity"**>  
  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/txthead"  
 android:text="Login Form"  
 android:textAlignment="center"  
 android:textSize="50dp"  
 android:textColor="@color/purple\_200"**/>  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Enter User Name"  
 android:inputType="textPersonName"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPassword"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Enter Password"  
 android:inputType="textPassword"** />  
 <**Button  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btnlogin"  
 android:text="Login"  
 android:background="@color/purple\_200"**/>  
  
  
</**LinearLayout**>

1. **CRUD Operation(sql list):-**

**MainActivity.kt**

**package** com.example.dbconninclassdemo  
  
**import** android.content.ContentValues  
**import** android.database.Cursor  
**import** android.database.sqlite.SQLiteDatabase  
**import** androidx.appcompat.app.AppCompatActivity  
**import** android.os.Bundle  
**import** android.widget.\*  
  
**class** MainActivity : AppCompatActivity() {  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
 **var** btnsave:Button=findViewById(R.id.*save*)  
 **var** btnfirst:Button=findViewById(R.id.*first*)  
 **var** btnlast:Button=findViewById(R.id.*last*)  
 **var** btnnext:Button=findViewById(R.id.*next*)  
 **var** btnpre:Button=findViewById(R.id.*pre*)  
 **var** btnupdate:Button=findViewById(R.id.*update1*)  
 **var** btndelete:Button=findViewById(R.id.*delete1*)  
 **var** btnshow:Button=findViewById(R.id.*showdata*)  
 **var** etviewdata:TextView=findViewById(R.id.*etviewdata1*)  
  
  
 **var** etid:EditText=findViewById(R.id.*sid*)  
 **var** etnm:EditText=findViewById(R.id.*snm*)  
  
 **var** helper=DBHelper(*applicationContext*)  
 **var** db: SQLiteDatabase = helper.*readableDatabase* **var** rs=db.rawQuery(**"select \* from STDInfo"**,**null**)  
  
 btnsave.setOnClickListener **{  
 var** cv = ContentValues()  
 cv.put(**"s\_id"**,etid.*text*.toString())  
 cv.put(**"s\_nm"**,etnm.*text*.toString())  
 db.insert(**"STDInfo"**,**null**,cv)  
 rs.requery()  
 Toast.makeText(**this**,**"Record Insert "**,Toast.*LENGTH\_LONG*).show()  
 **}** btnfirst.setOnClickListener **{  
 if**(rs.moveToFirst()){  
 etid.setText(rs.getString(0))  
 etnm.setText(rs.getString(1))  
 }  
  
 **}** btnlast.setOnClickListener **{  
 if**(rs.moveToLast()){  
 etid.setText(rs.getString(0))  
 etnm.setText(rs.getString(1))  
 }  
  
 **}** btnnext.setOnClickListener **{  
 if**(rs.moveToNext()){  
 etid.setText(rs.getString(0))  
 etnm.setText(rs.getString(1))  
 }  
 **else if** (rs.moveToFirst()) {  
  
 etid.setText(rs.getString(0))  
 etnm.setText(rs.getString(1))}  
 **}** btnpre.setOnClickListener **{  
 if**(rs.moveToPrevious()){  
 etid.setText(rs.getString(0))  
 etnm.setText(rs.getString(1))  
 }  
 **else if** (rs.moveToLast()) {  
  
 etid.setText(rs.getString(0))  
 etnm.setText(rs.getString(1))}  
 **}** btnupdate.setOnClickListener **{  
 var** cv = ContentValues()  
 cv.put(**"s\_id"**,etid.*text*.toString())  
 cv.put(**"s\_nm"**,etnm.*text*.toString())  
 db.update(**"STDInfo"**,cv,**"s\_id=${**etid.*text*.toString().*toInt*()**}"**,**null**)  
 rs.requery()  
 **if**(rs.moveToFirst()){  
 etid.setText(rs.getString(0))  
 etnm.setText(rs.getString(1))  
 }  
  
 **}** btndelete.setOnClickListener **{** db.delete(**"STDInfo"**, **"s\_id=?"**, *arrayOf*(rs.getString(0)))  
 rs.requery()  
 **if**(rs.moveToFirst()){  
 etid.setText(rs.getString(0))  
 etnm.setText(rs.getString(1))  
 }  
 **}** btnshow.setOnClickListener **{  
 var** rs: Cursor = db.rawQuery(**"SELECT \* FROM STDInfo"**, **null**)  
 **if**(etviewdata.*text* ==**""**){  
 **while**(rs.moveToNext()) {  
  
  
 etviewdata.*text* = etviewdata.*text*.toString() + rs.getString(0) + **"\t\t\t\t"** + rs.getString(1) + **"\t"** + **"\n"** }}  
 **else**{  
 etviewdata.*text* = **""  
 while**(rs.moveToNext()) {  
  
 etviewdata.*text* =etviewdata.*text*.toString() + rs.getString(0) + **"\t"** + rs.getString(1)+ **"\n"** }  
 }  
  
 **}** }  
}

**activit­\_mainxml**

****

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".MainActivity"**>  
  
 <**EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/sid"  
 android:hint="Enter ID"  
 android:gravity="center"**/>  
 <**EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/snm"  
 android:hint="Enter Name"  
 android:gravity="center"**/>  
  
 <**TableLayout android:padding="10dp"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
 <**TableRow android:padding="10dp"**>  
 <**Button  
 android:id="@+id/first"  
 android:text="First"  
 android:layout\_marginLeft="40dp"**/>  
 <**Button  
 android:id="@+id/last"  
 android:text="Last"  
 android:layout\_marginLeft="60dp"**/>  
 </**TableRow**>  
 <**TableRow android:padding="10dp"**>  
 <**Button  
 android:id="@+id/next"  
 android:text="Next"  
 android:layout\_marginLeft="40dp"**/>  
 <**Button  
 android:id="@+id/pre"  
 android:text="Previous"  
 android:layout\_marginLeft="60dp"**/>  
 </**TableRow**>  
 <**TableRow android:padding="10dp"**>  
 <**Button  
 android:id="@+id/save"  
 android:text="Save"  
 android:layout\_marginLeft="40dp"**/>  
 <**Button  
 android:id="@+id/update1"  
 android:text="Update"  
 android:layout\_marginLeft="60dp"**/>  
 </**TableRow**>  
 <**TableRow android:padding="10dp"**>  
 <**Button  
 android:id="@+id/delete1"  
 android:text="Delete"  
 android:layout\_marginLeft="40dp"**/>  
 <**Button  
 android:id="@+id/showdata"  
 android:text="Showdata"  
 android:layout\_marginLeft="60dp"**/>  
 </**TableRow**>  
 </**TableLayout**>  
  
 <**TextView  
 android:id="@+id/etviewdata1"  
 android:layout\_width="355dp"  
 android:layout\_height="294dp"  
 android:layout\_marginLeft="30dp"  
 android:textColor="#D81A1A"  
 android:textSize="20dp"** />  
  
  
</**LinearLayout**>

**DBHelper.kt**

**package** com.example.dbconninclassdemo  
  
**import** android.content.Context  
**import** android.database.sqlite.SQLiteDatabase  
**import** android.database.sqlite.SQLiteOpenHelper  
  
**class** DBHelper (context: Context):SQLiteOpenHelper(context,**"Mydbstd"**,**null**,1) {  
 **override fun** onCreate(p0: SQLiteDatabase?) {  
 **val** create\_table = **"CREATE TABLE STDInfo(s\_id INTEGER PRIMARY KEY, s\_nm TEXT);"** p0?.execSQL(create\_table)  
 }  
  
 **override fun** onUpgrade(p0: SQLiteDatabase?, p1: Int, p2: Int) {  
 **val** drop\_table=**"DROP TABLE IF EXISTS STDInfo"** p0?.execSQL(drop\_table)  
 onCreate(p0)  
 }  
}

1. **sharedPreference\_Demo:-**

**MainActivity.kt**

**package** com.example.sharedpreference\_demo  
  
  
**import** android.os.Bundle  
**import** android.widget.Button  
**import** android.widget.EditText  
**import** android.widget.Toast  
**import** androidx.appcompat.app.AppCompatActivity  
  
  
**class** MainActivity : AppCompatActivity() {  
  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
  
 **var** btn\_save:Button=findViewById(R.id.*btnSave*)  
 **var** btn\_clr:Button=findViewById(R.id.*buttonclr*)  
  
 **try** {  
 loaddata()  
 }  
 **catch** (e:Exception)  
 {  
 Toast.makeText(**this**,e.toString(),Toast.*LENGTH\_SHORT*).show()  
 }  
 btn\_save.setOnClickListener **{** savedata()  
 **}** btn\_clr.setOnClickListener**{  
 val** preferences = getSharedPreferences(**"FirstSharedPreferences"**, 0)  
 **var** etunm11:EditText=findViewById(R.id.*edtUsername*)  
 **var** etpw11:EditText=findViewById(R.id.*edtpw*)  
  
 preferences.edit().remove(**"name"**).commit()  
 preferences.edit().remove(**"pw"**).commit()  
 etunm11.*text*.clear()  
 etpw11.*text*.clear()  
  
 **}** }  
  
 **private fun** savedata() {  
  
 **var** etunm:EditText=findViewById(R.id.*edtUsername*)  
 **var** etpw:EditText=findViewById(R.id.*edtpw*)  
 **var** sharedPreferences = getSharedPreferences(**"FirstSharedPreferences"**, *MODE\_PRIVATE*)  
  
 **val** editor = sharedPreferences.edit()  
 editor.*apply* **{** putString(**"name"**,etunm.*text*.toString())  
 putString(**"pw"**, etpw.*text*.toString())  
  
  
 **}**.apply()  
 Toast.makeText(**this**,**"Saved the Preference"**, Toast.*LENGTH\_SHORT*).show()  
 }  
  
 **private fun** loaddata() {  
  
 **var** etunm1:EditText=findViewById(R.id.*edtUsername*)  
 **var** etpw1:EditText=findViewById(R.id.*edtpw*)  
 **val** sharedPreferences = getSharedPreferences(**"FirstSharedPreferences"**, *MODE\_PRIVATE*)  
 **val** stringval:String? = sharedPreferences.getString(**"name"**,**null**)  
 **val** stringval1:String? = sharedPreferences.getString(**"pw"**,**null**)  
 etunm1.setText(stringval)  
 etpw1.setText(stringval1)  
  
 }  
}

**activit­\_mainxml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"**>  
  
  
 <**EditText  
 android:id="@+id/edtUsername"  
 android:layout\_width="0dp"  
 android:layout\_height="62dp"  
 android:layout\_marginStart="56dp"  
 android:layout\_marginTop="67dp"  
 android:layout\_marginEnd="56dp"  
 android:gravity="center"  
 android:textColor="#DC3131"  
 android:textSize="20sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**Button  
 android:id="@+id/btnSave"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginHorizontal="50dp"  
  
 android:layout\_marginStart="16dp"  
 android:text="Save"  
 app:layout\_constraintBaseline\_toBaselineOf="@+id/buttonclr"  
 app:layout\_constraintStart\_toStartOf="@+id/edtpw"** />  
  
 <**EditText  
 android:id="@+id/edtpw"  
 android:layout\_width="0dp"  
 android:layout\_height="62dp"  
 android:layout\_marginStart="56dp"  
 android:layout\_marginTop="95dp"  
 android:layout\_marginEnd="56dp"  
 android:layout\_marginBottom="89dp"  
 android:ems="10"  
 android:gravity="center"  
 android:inputType="textPassword"  
 android:textColor="#DC3131"  
 android:textSize="20sp"  
 app:layout\_constraintBottom\_toBottomOf="@+id/btnSave"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="@+id/edtUsername"** />  
  
 <**Button  
 android:id="@+id/buttonclr"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="29dp"  
 android:layout\_marginTop="265dp"  
 android:text="Clear"  
 app:layout\_constraintStart\_toEndOf="@+id/btnSave"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

1. **ImpliciteIntentCharusat:-**

**MainActivity.kt**

**package** com.example.impliciteintentcharusat  
  
**import** android.content.Intent  
**import** android.net.Uri  
**import** androidx.appcompat.app.AppCompatActivity  
**import** android.os.Bundle  
**import** android.widget.Button  
  
**class** MainActivity : AppCompatActivity() {  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
 **var** btn:Button=findViewById(R.id.*button*);  
  
 btn.setOnClickListener **{  
 var** intent = Intent(Intent.*ACTION\_VIEW*)  
 intent.setData(Uri.parse(**"https://www.tutorialkart.com/"**))  
 startActivity(intent)  
 **}** }  
}

**activit­\_mainxml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"**>  
  
 <**Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="104dp"  
 android:text="CHARUSAT"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
</**androidx.constraintlayout.widget.ConstraintLayout**>

1. **Registration form:-**

**MainActivity.kt**

**package** com.example.menu\_demo  
  
**import** android.content.ContentValues  
**import** android.database.sqlite.SQLiteDatabase  
**import** androidx.appcompat.app.AppCompatActivity  
**import** android.os.Bundle  
**import** android.view.View  
**import** android.widget.\*  
**import** com.example.dbconninclassdemo.DBHelper  
**import** com.example.registrationform.R  
  
**class** MainActivity2 : AppCompatActivity() {  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
 **val** caste:Array<String> = *arrayOf*(**"Select any caste "**,**"General"**,**"SC"**,**"ST"**,**"OBC"**)  
 **var** sp: Spinner =findViewById(R.id.*spinner*)  
 **var** btnsub:Button=findViewById(R.id.*btn\_Submit*)  
 **val** adapter: ArrayAdapter<String> = ArrayAdapter<String>(**this**,android.R.layout.*select\_dialog\_item*, caste)  
 sp.setAdapter(adapter)  
 **var** m:String=**""  
 var** str:String=**""  
 var** ct:String=**""** btnsub.setOnClickListener **{  
  
 }  
 var** etid:EditText=findViewById(R.id.*txt\_id*)  
 **var** etname:EditText=findViewById(R.id.*txt\_Name*)  
 **var** etmobno:EditText=findViewById(R.id.*txt\_mobno*)  
 **var** rd:RadioButton=findViewById(R.id.*radioButtonMale*)  
 **var** rd1:RadioButton=findViewById(R.id.*radioButtonFemale*)  
 **var** chk10:CheckBox=findViewById(R.id.*checkBox\_10th*)  
 *// var rdgroup:RadioGroup=findViewById(R.id.radiogroup)* **var** chk12:CheckBox=findViewById(R.id.*checkBox\_12th*)  
 **var** chkbca:CheckBox=findViewById(R.id.*checkBox\_BCA*)  
 **var** chkbscit:CheckBox=findViewById(R.id.*checkBox\_BSCIT*)  
 rd.setOnClickListener **{** m=**"Male"  
 }** rd1.setOnClickListener**{** m=**"Female"  
 }  
  
 if**(chkbca.*isChecked*) {  
 str = str + **" BCA"** }  
 **if** (chkbscit.*isChecked*)  
 {  
 str = str + **" BSc(IT)"** }  
 **if** (chk10.*isChecked*)  
 {  
 str = str + **"10th Class"** }  
 **if** (chk12.*isChecked*)  
 {  
 str = str + **"12th Class"** }  
 btnsub.setOnClickListener**{  
  
  
 var** helper= DBHelper(*applicationContext*)  
 **var** db: SQLiteDatabase = helper.*readableDatabase* **var** rs=db.rawQuery(**"select \* from STDInfo"**,**null**)  
 **var** cv = ContentValues()  
 cv.put(**"s\_id"**,etid.*text*.toString())  
 cv.put(**"s\_nm"**,etname.*text*.toString())  
 cv.put(**"s\_mobno"**,etmobno.*text*.toString())  
 cv.put(**"s\_gender"**,m)  
 cv.put(**"s\_category"**,ct)  
 cv.put(**"s\_study"**,str)  
 db.insert(**"STDInfo"**,**null**,cv)  
 rs.requery()  
 Toast.makeText(**this**,**"Record Inserted To DataBase"**,Toast.*LENGTH\_LONG*).show()  
 **}** sp.*onItemSelectedListener*=**object** : AdapterView.OnItemSelectedListener{  
 **override fun** onItemSelected(parent: AdapterView<\*>?, view: View?, position: Int, id: Long)  
 {  
 ct=caste[position]  
 }  
  
 **override fun** onNothingSelected(parent: AdapterView<\*>?)  
 {  
 *//****TODO("Not yet implemented")*** }  
 }  
 }  
}

**activit­\_mainxml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**ScrollView xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity2"**>  
  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"**>  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="309dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="65dp"  
 android:layout\_marginTop="20dp"  
 android:gravity="center"  
 android:text="REGISTRATION FORM"  
 android:textColor="#E40B0B"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 tools:layout\_editor\_absoluteX="67dp"  
 tools:layout\_editor\_absoluteY="29dp"** />  
  
 <**EditText  
 android:id="@+id/txt\_id"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="76dp"  
 android:layout\_marginTop="30dp"  
 android:ems="10"  
 android:hint="(Enter ID)"  
 android:inputType="textPersonName"  
 tools:layout\_editor\_absoluteX="100dp"  
 tools:layout\_editor\_absoluteY="106dp"** />  
  
 <**EditText  
 android:id="@+id/txt\_Name"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="76dp"  
 android:layout\_marginTop="10dp"  
 android:ems="10"  
 android:hint="(Enter Name)"  
 android:inputType="textPersonName"  
 tools:layout\_editor\_absoluteX="100dp"  
 tools:layout\_editor\_absoluteY="183dp"** />  
  
 <**EditText  
 android:id="@+id/txt\_mobno"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="76dp"  
 android:layout\_marginTop="10dp"  
 android:ems="10"  
 android:hint="(Enter MobNo)"  
 android:inputType="phone"  
 android:maxLength="10"  
 tools:layout\_editor\_absoluteX="100dp"  
 tools:layout\_editor\_absoluteY="267dp"** />  
  
 <**RadioGroup  
 android:id="@+id/radiogroup"  
 android:layout\_width="235dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="76dp"  
 tools:layout\_editor\_absoluteX="109dp"  
 tools:layout\_editor\_absoluteY="352dp"**>  
  
 <**RadioButton  
 android:id="@+id/radioButtonFemale"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="0dp"  
 android:layout\_marginTop="10dp"  
 android:text="Female"** />  
  
 <**RadioButton  
 android:id="@+id/radioButtonMale"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="0dp"  
 android:layout\_marginTop="10dp"  
 android:text="Male"** />  
 </**RadioGroup**>  
  
 <**CheckBox  
 android:id="@+id/checkBox\_10th"  
 android:layout\_width="109dp"  
 android:layout\_height="49dp"  
 android:layout\_marginLeft="76dp"  
 android:layout\_marginTop="25dp"  
 android:text="10th Class"  
 tools:layout\_editor\_absoluteX="110dp"  
 tools:layout\_editor\_absoluteY="497dp"** />  
  
 <**CheckBox  
 android:id="@+id/checkBox\_12th"  
 android:layout\_width="108dp"  
 android:layout\_height="50dp"  
 android:layout\_marginLeft="76dp"  
 android:layout\_marginTop="25dp"  
 android:text="12th Class"  
 tools:layout\_editor\_absoluteX="222dp"  
 tools:layout\_editor\_absoluteY="498dp"** />  
  
 <**CheckBox  
 android:id="@+id/checkBox\_BCA"  
 android:layout\_width="108dp"  
 android:layout\_height="51dp"  
 android:layout\_marginLeft="76dp"  
 android:layout\_marginTop="25dp"  
 android:text="BCA"  
 tools:layout\_editor\_absoluteX="111dp"  
 tools:layout\_editor\_absoluteY="545dp"** />  
  
 <**CheckBox  
 android:id="@+id/checkBox\_BSCIT"  
 android:layout\_width="106dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="76dp"  
 android:layout\_marginTop="25dp"  
 android:text="BSC IT"  
 tools:layout\_editor\_absoluteX="224dp"  
 tools:layout\_editor\_absoluteY="550dp"** />  
  
 <**Spinner  
 android:id="@+id/spinner"  
 android:layout\_width="328dp"  
 android:layout\_height="48dp"  
 android:layout\_marginLeft="76dp"  
 android:entries="@array/caste"  
 android:layout\_marginTop="20dp"  
 tools:layout\_editor\_absoluteX="100dp"  
 tools:layout\_editor\_absoluteY="615dp"** />  
  
 <**Button  
 android:id="@+id/btn\_Submit"  
 android:layout\_width="match\_parent"  
 android:layout\_height="73dp"  
 android:layout\_marginLeft="76dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginRight="76dp"  
 android:text="Submit"** />  
 </**LinearLayout**>  
  
</**ScrollView**>

**DBHelper.kt**

**package** com.example.dbconninclassdemo  
  
**import** android.content.Context  
**import** android.database.sqlite.SQLiteDatabase  
**import** android.database.sqlite.SQLiteOpenHelper  
  
**class** DBHelper (context: Context):SQLiteOpenHelper(context,**"Mydbstd"**,**null**,1) {  
 **override fun** onCreate(p0: SQLiteDatabase?) {  
 **val** create\_table = **"CREATE TABLE STDInfo(s\_id INTEGER PRIMARY KEY, s\_nm TEXT);"** p0?.execSQL(create\_table)  
 }  
  
 **override fun** onUpgrade(p0: SQLiteDatabase?, p1: Int, p2: Int) {  
 **val** drop\_table=**"DROP TABLE IF EXISTS STDInfo"** p0?.execSQL(drop\_table)  
 onCreate(p0)  
 }  
}