**Pogram-5**.Implement an application that will create a database with a table of user credentials and create a Login potal system.

1.Create one more activity (Login)

New->Activity->Empty Activity 2.Create simple java File(DbHelper)

New->java class

# activity\_login.xml:-

*<?*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=".Login">

<TextView android:id="@+id/textView"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Welcome" android:textSize="34sp"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.239" />

</androidx.constraintlayout.widget.ConstraintLayout>

# Login.java:-

package com.durgesh.program\_5;

import androidx.appcompat.app.AppCompatActivity; import android.os.Bundle;

public class Login extends AppCompatActivity { @Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState); setContentView(R.layout.*activity\_login*);

}

}

# activity\_main.xml:-

*<?*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="Login Page" android:textSize="24sp" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintLeft\_toLeftOf="parent" app:layout\_constraintRight\_toRightOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.155" />

<EditText android:id="@+id/name"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:ems="10" android:hint="Enter Name" android:inputType="textPersonName" android:minHeight="48dp"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.507" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.266" />

<EditText android:id="@+id/number"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:ems="10" android:hint="Enter Number"

android:inputType="number|textPersonName" android:minHeight="48dp" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.497" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.376" />

<Button

android:id="@+id/login" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Login" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.321" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.512" />

<Button

android:id="@+id/register" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Register" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.681" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.512" />

</androidx.constraintlayout.widget.ConstraintLayout>

# MainActivity.java

package com.durgesh.program\_5;

import androidx.appcompat.app.AppCompatActivity; import android.content.Intent;

import android.os.Bundle;

import android.view.View; import android.widget.Button; import android.widget.EditText; import android.widget.Toast;

public class MainActivity extends AppCompatActivity { private Button login;

private Button register;

private EditText name; private EditText phone; private DbHelper dbHelper; @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.*activity\_main*);

login=findViewById(R.id.*login*); register=findViewById(R.id.*register*); name=findViewById(R.id.*name*); phone=findViewById(R.id.*number*);

dbHelper=new DbHelper(this); register.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

String nametxt=name.getText().toString(); String phonetxt=phone.getText().toString();

Boolean ckinsert=dbHelper.insertdata(nametxt,phonetxt); if(ckinsert==true){

Toast.*makeText*(getApplicationContext(), "insert successfully", Toast.*LENGTH\_SHORT*).show();

}else{

Toast.*makeText*(getApplicationContext(), "failed", Toast.*LENGTH\_SHORT*).show();

}

dbHelper.close();

}

});

login.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View view) {

String nametxt=name.getText().toString(); String phonetxt=phone.getText().toString();

Boolean ck=dbHelper.cknameph(nametxt,phonetxt); if(ck==true){

Intent intent=new Intent(MainActivity.this,Login.class); startActivity(intent);

}

else{

Toast.*makeText*(getApplicationContext(), "failed to read", Toast.*LENGTH\_SHORT*).show();

}

dbHelper.close();

}

});

}

}

**Create new java file:- goto to File->new->java class DbHelper.java:-**

package com.durgesh.program\_5;

import android.content.ContentValues; import android.content.Context; import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase; import android.database.sqlite.SQLiteOpenHelper;

public class DbHelper extends SQLiteOpenHelper { public DbHelper(Context context) {

super(context, "userdata.db", null, 1);

}

@Override

public void onCreate(SQLiteDatabase db) {

db.execSQL("create table userdata(name TEXT,phone TEXT )");

}

@Override

public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) { db.execSQL("drop table if exists userdata");

}

public boolean insertdata(String name,String phone){ SQLiteDatabase db=this.getWritableDatabase(); ContentValues cv=new ContentValues(); cv.put("name",name);

cv.put("phone",phone);

int result= (int) db.insert("userdata",null,cv); if(result==-1){

return false;

}

else{

return true;

}

}

public boolean cknameph(String name,String phone){ SQLiteDatabase db=this.getReadableDatabase();

Cursor c=db.rawQuery("select \* from userdata where name=? and phone=?",new String[] {name,phone});

if(c.getCount()>0){ return true;

}

else{

return false;

}

}

}

# Output:-

