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

activity_main.xml:-

```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"
```

```xml
            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
```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();
```

```java
            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)");

    }

```java
    @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:-