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">  
  
  
 <EditText  
 android:id="@+id/editTextText2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="104dp"  
 android:ems="10"  
 android:inputType="text"  
 android:text="Name"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.497"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
  
 <EditText  
 android:id="@+id/editTextTextPassword"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="72dp"  
 android:ems="10"  
 android:hint="Password"  
 android:inputType="textPassword"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.497"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/editTextText2" />  
  
 <Button  
 android:id="@+id/button"  
 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\_constraintStart\_toStartOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>

Main\_activity.java

package com.example.prac3;  
  
  
import androidx.appcompat.app.AppCompatActivity;  
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 {  
 DBHelper DB;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 EditText username=findViewById(R.id.*editTextText2*);  
 EditText password=findViewById(R.id.*editTextTextPassword*);  
 Button reg=findViewById(R.id.*button*);  
 DB =new DBHelper(this);  
  
 reg.setOnClickListener(new View.OnClickListener() {  
 @Override  
  
 public void onClick(View v) {  
 String name=username.getText().toString();  
 String pass=password.getText().toString();  
  
 Boolean checkuser=DB.checkusername(name);  
 if(checkuser==true)  
 Toast.*makeText*(MainActivity.this,"User already exits in database",Toast.*LENGTH\_LONG*).show();  
 else{  
 Boolean insert=DB.inserdata(name,pass);  
 if(insert==true)  
 Toast.*makeText*(MainActivity.this,"Registration Successful",Toast.*LENGTH\_LONG*).show();  
 else{  
 Toast.*makeText*(MainActivity.this,"Registration Unsuccessful",Toast.*LENGTH\_LONG*).show();  
 }  
 }  
 }  
 });  
 }  
}

DBHelper.java

package com.example.prac3;  
  
  
  
import android.content.Context;  
import android.database.Cursor;  
import android.database.sqlite.SQLiteDatabase;  
import android.database.sqlite.SQLiteOpenHelper;  
import android.content.ContentValues;  
  
import androidx.annotation.Nullable;  
  
public class DBHelper extends SQLiteOpenHelper {  
  
  
 public DBHelper(Context context) {  
 super(context, "login.db",null,1);  
 }  
  
 @Override  
 public void onCreate(SQLiteDatabase db) {  
 db.execSQL("create table users(username text primary key, password text)");  
 }  
 @Override  
 public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {  
 db.execSQL("drop table if exists users");  
 }  
 public boolean checkusername(String username) {  
 SQLiteDatabase db = this.getWritableDatabase();  
 Cursor cursor = db.rawQuery("select \* from users where username=?", new String[]{username});  
 if(((Cursor) cursor).getCount()>0)  
 return true;  
 else  
 return false;  
 }  
 public boolean inserdata(String user, String pass){  
 SQLiteDatabase db=this.getWritableDatabase();  
 ContentValues contentValues=new ContentValues();  
 contentValues.put("username", user);  
 contentValues.put("password",pass);  
 long result=db.insert("users",null,contentValues);  
  
 if(result==-1)  
 return false;  
 else  
 return true;  
 }  
}