LAB3:

Mainactivity.java

```java
package com.example.lab3_test2;

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 name=findViewById(R.id.editTextTextPersonName);
        EditText pass=findViewById(R.id.editTextTextPassword);
        EditText repass=findViewById(R.id.editTextTextPassword2);
        Button reg=findViewById(R.id.button);
        DB = new DBHelper(this);

        reg.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String name1=name.getText().toString();
                String pass1=pass.getText().toString();
                String repass1=repass.getText().toString();

                if(pass1.equals(repass1)){
                    Boolean checkuser=DB.checkusername(name1);
                    if(checkuser==false){
                        Boolean insert=DB.inserdata(name1,pass1);
                        if(insert==true){
                            Toast.makeText(MainActivity.this,"Registration
Succesfull",Toast.LENGTH_SHORT).show();
                        }
                        else
Toast.makeText(MainActivity.this,"Registration
UnSuccesfull",Toast.LENGTH_SHORT).show();
                    }
                    else Toast.makeText(MainActivity.this,"user already
registerd",Toast.LENGTH_SHORT).show();

                }
            }
        });
```

```java
        }
    }
```

DBHelper.java

```java
package com.example.lab3_test2;

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,"Login.db",null,1);
    }


    @Override
    public void onCreate(SQLiteDatabase Mydb) {
        Mydb.execSQL("create table users(username text primary key,password text )");


    }

    @Override
    public void onUpgrade(SQLiteDatabase Mydb, int i, int i1) {
        Mydb.execSQL("drop table if exists users");

    }

    public Boolean checkusername(String user){

        SQLiteDatabase Mydb=this.getWritableDatabase();
        Cursor cursor = Mydb.rawQuery("select * from users where username=?",new String[]{user});
        if(cursor.getCount()>0)
            return true;
        else  return false;
    }

    public Boolean inserdata(String user,String Password){
        SQLiteDatabase Mydb=this.getWritableDatabase();
        ContentValues contentValues=new ContentValues();
        contentValues.put("username",user);
        contentValues.put("password",Password);
        long result=Mydb.insert("users",null,contentValues);
```

```
        if(result==-1)
            return false;
        else
            return true;

    }


}
```

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">

    <EditText
        android:id="@+id/editTextTextPersonName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="52dp"
        android:ems="10"
        android:inputType="textPersonName"
        android:hint="First Name"
        android:text=""
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.432"
        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="36dp"
        android:hint="Password"
        android:ems="10"
        android:inputType="textPassword"
        app:layout_constraintEnd_toEndOf="@+id/editTextTextPersonName"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="@+id/editTextTextPersonName"
        app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName"
/>

    <EditText
```

```xml
        android:id="@+id/editTextTextPassword2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="52dp"
        android:ems="10"
        android:inputType="textPassword"
        app:layout_constraintEnd_toEndOf="@+id/editTextTextPassword"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="@+id/editTextTextPassword"
        app:layout_constraintTop_toBottomOf="@+id/editTextTextPassword" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="64dp"
        android:text="Button"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/editTextTextPassword2"
/>
</androidx.constraintlayout.widget.ConstraintLayout>
```