

Exp 3

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/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
        android:id="@+id/editTextTextPassword2"
        android:layout_width="wrap_content"
```

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        android:layout_height="wrap_content"
        android:layout_marginTop="52dp"
        android:ems="10"
        android:hint="Re Enter Password"
        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>

```

MainActivity.java

```

package com.example.exp3final;

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.insertdata(name1,pass1);
                if(insert==true){
                    Toast.makeText(MainActivity.this,"Registration
Sucesfull",Toast.LENGTH_SHORT).show();
                }
                else
                    Toast.makeText(MainActivity.this,"Registration
UnSucesfull",Toast.LENGTH_SHORT).show();
            }
            else Toast.makeText(MainActivity.this,"user already
registerd",Toast.LENGTH_SHORT).show();
        }
    }
});
}
}

```

DBHelper.java

```

package com.example.exp3final;
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,"Final_database.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;
    }
}

```