PROGRAM

Aim: TO DO LIST

Main Activity.java

```
package com.example.todo;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity {
  Button btn;
  TextView tv11;
  SharedPreferences sharedPreferences;
  public static final String SHARED_PREF_NAME="mypref";
  public static final String KEY_NAME="";
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    addListeneronButton();
  }
  private void addListeneronButton() {
    btn=(Button) findViewById(R.id.btnadd);
    tv1l=(TextView) findViewById(R.id.tv111);
    sharedPreferences = getSharedPreferences(SHARED_PREF_NAME,MODE_PRIVATE);
    String\ name = shared Preferences.get String(KEY\_NAME, String.valueOf(0));
    tv11.setText("Name "+name);
    btn.setOnClickListener(new View.OnClickListener() {
       @Override
       public void onClick(View view) {
         Intent intent=new Intent(MainActivity.this,add.class);
         startActivity(intent);
    });
  }
```

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">
  <Button
    android:id="@+id/btnadd"
    android:layout_width="87dp"
    android:layout height="52dp"
    android:text="ADD"
    app:layout constraintBottom toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/tv111"
    app:layout_constraintVertical_bias="0.12" />
  <TextView
    android:id="@+id/tv111"
    android:layout_width="293dp"
    android:layout height="100dp"
    android:layout_marginTop="176dp"
    android:textFontWeight="@integer/material_motion_duration_long_1"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.745"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

add.java

```
package com.example.todo;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Context;
import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
public class add extends AppCompatActivity {
  EditText tf;
  TextView tv;
  Button sub:
  String n1;
  SharedPreferences sharedPreferences;
```

```
public static final String SHARED_PREF_NAME="mypref";
public static final String KEY_NAME="";
@Override
protected void onCreate(Bundle savedInstanceState) {
  super.onCreate(savedInstanceState);
  setContentView(R.layout.activity_add);
  addButton();
}
private void addButton() {
  sub = (Button) findViewById(R.id.btnsub);
  tv = (TextView) findViewById(R.id.textviewname);
  tf = (EditText) findViewById(R.id.editTextdta);
  sharedPreferences = getSharedPreferences(SHARED_PREF_NAME,MODE_PRIVATE);
  String name = sharedPreferences.getString(KEY_NAME, String.valueOf(0));
  sub.setOnClickListener(new View.OnClickListener() {
     @Override
    public void onClick(View view) {
       String n1=tf.getText().toString();
       SharedPreferences.Editor editor = sharedPreferences.edit();
       editor.putString(KEY_NAME,n1);
       editor.commit();
       Intent int1 = new Intent(add.this, MainActivity.class);
       startActivity(int1);
    }
  });
}
```

activity_add.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
  xmlns:android="http://schemas.android.com/apk/res/android"
  xmlns:tools="http://schemas.android.com/tools"
  xmlns:app="http://schemas.android.com/apk/res-auto"
  android:layout_width="match_parent"
  android:layout_height="match_parent"
  tools:context=".add">
  <Button
    android:id="@+id/btnsub"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout marginBottom="56dp"
    android:text="SAVE"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/editTextdta"
    app:layout_constraintVertical_bias="0.241" />
  <EditText
    android:id="@+id/editTextdta"
    android:layout_width="199dp"
    android:layout_height="54dp"
```

```
android:layout_marginTop="248dp"
    android:ems="10"
    and roid: \\ input Type = "text Person Name"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
  <TextView
    android:id="@+id/textviewname"
    android:layout_width="207dp"
    android:layout_height="46dp"
    android:text="Name"
    app: layout\_constraintBottom\_toTopOf = "@+id/editTextdta"
    app:layout_constraintEnd_toEndOf="parent"
    app: layout\_constraintStart\_toStartOf = "parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.686" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

OUTPUT





