

## 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);
        tv11=(TextView) findViewById(R.id.tv111);
        sharedPreferences =

        getSharedPreferences(SHARED_PREF_NAME,MODE_PRIVATE);

        String name=sharedPreferences.getString(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);
        addButtons();
    }

    private void addButtons() {
        sub = (Button) findViewById(R.id.btnsub);
        tv = (TextView) findViewById(R.id.textviewname);
        tf = (EditText) findViewById(R.id.editTextdata);
        sharedPreferences =
        getSharedPreferences(SHARED_PREF_NAME,MODE_PRIVATE);
        String name = sharedPreferences.getString(KEY_NAME, String.valueOf(
```

```

package com.example.uicontrols;

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;

public class MainActivity<Button bCancel, bProceed, FieldsChecked, not> extends
AppCompatActivity
{

    Button bCancel, bProceed;

    EditText FirstName, etLastName, etEmail, etPassword;
    not. boolean isAll FieldsChecked = false;

    private Intent Intenti;

    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        findViewById(R.id.proceedButton);
        View bCancel = findViewById(R.id.cancelButton);

        IDs.etFirstName = findViewById(R.id.firstName);
        etLastName = findViewById(R.id.lastName);
        etEmail =
            findViewById(R.id.email);
        etPassword = findViewById(R.id.password);

        Button b Proceed.SetOnClickListener(new View.OnClickListener()
        {
            Public void onClick (View v);
            {
                If(isAll FieldsChecked);
                {
                    Intenti = new Intent(Ui_validation.this, Dashboard.class);
                    startActivity(i);
                }
            }
        });
    }
}

```

```

});
application or the particular activity.bCancel.setOn
ClickListener(newView.OnClickListener(){
@Override

Public void onClick (View v)
{ Ui validation.this.finish();
  System.exit(0);
}

Private Boolean CheckAllFields()
{if(etFirstName.length()==0)
{
  etFirstName.setError("Thisfieldisrequired");
  return false;
}
if (etLastName.length()==0)
{
  etLastName.setError("This field isrequired");
  return false;
}
if (etEmail.length()== 0)
{
  etEmail.setError("Email is required");
  return false;
}
if (etPassword.length()== 0)
{
  etPassword.setError("Password is required");
  return false;
}
Else if
(etPassword.length() <8)
{
  etPassword.setError("Password must be minimum 8 haracters");
  return false;
}

return true.
return true;
}
}

```



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## Form Validation

First Name

Last Name

Email

Password

CANCEL

PROCEED