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### **Assignment-1**

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#### **Codes:**

##### **MainActivity.kt:**

```
package com.example.loginpage
```

```
import android.os.Bundle
```

```
import android.webkit.WebSettings.TextSize
```

```
import androidx.activity.ComponentActivity
```

```
import androidx.activity.compose.setContent
```

```
import androidx.compose.foundation.layout.Arrangement
```

```
import androidx.compose.foundation.layout.Column
```

```
import androidx.compose.foundation.layout.fillMaxSize
```

```
import androidx.compose.foundation.layout.padding
```

```
import androidx.compose.material3.Button
```

```
import androidx.compose.material3.ExperimentalMaterial3Api
```

```
import androidx.compose.material3.Text
```

```
import androidx.compose.material3.TextField
```

```
import androidx.compose.runtime.Composable
```

```
import androidx.compose.runtime.getValue
```

```
import androidx.compose.runtime.mutableStateOf
```

```
import androidx.compose.runtime.remember
```

```
import androidx.compose.runtime.setValue
import androidx.compose.ui.Alignment
import androidx.compose.ui.Modifier
import androidx.compose.ui.text.TextStyle
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.dp
```

```
class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            Column(modifier = Modifier.fillMaxSize(),
                verticalArrangement = Arrangement.Center,
                horizontalAlignment = Alignment.CenterHorizontally) {
                simpleText()
                simpleTextFeild1()
                simpleTextFeild2()
                simpleButton()
            }
        }
    }
}
```

```
@Composable
fun simpleText(){
```

```

        Text(text = "Login",modifier = Modifier.padding(16.dp),
            style = TextStyle.Default
        )

    }

```

```

@Composable
fun simpleButton(){
    Button( modifier = Modifier.padding(16.dp), onClick = {}) {
        Text(text = "Submit")
    }
}

```

```

@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun simpleTextFeild1() {
    var text by remember { mutableStateOf("")}
    TextField(value = text ,
        onChange = {it -> text = it},
        label = { Text(text = "User Name") })
}

```

```

@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun simpleTextFeild2() {
    var text by remember { mutableStateOf("")}

```

```

TextField(value = text ,
    onChange = {it -> text = it},
    label = { Text(text = "Password") })
}

```

@Preview

@Composable

```

fun simpleTextPreview(){
    Column(modifier = Modifier.fillMaxSize(),
        verticalArrangement = Arrangement.Center,
        horizontalAlignment = Alignment.CenterHorizontally) {
        simpleText()
        simpleTextFeild1()
        simpleTextFeild2()
        simpleButton()
    }
}

```

### **activity\_main.xml:**

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:orientation="vertical"
    android:padding="16dp"
    tools:context=".MainActivity">

```

<TextView

```
    android:id="@+id/titleTextView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Login Page"
    android:textSize="24sp"
    android:layout_gravity="center_horizontal"
    android:layout_marginTop="32dp"/>
```

<EditText

```
    android:id="@+id/loginEditText"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    android:hint="Username"
    android:inputType="text"/>
```

<EditText

```
    android:id="@+id/passwordEditText"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    android:hint="Password"
    android:inputType="textPassword"/>
```

<Button

android:id="@+id/submitButton"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_gravity="center\_horizontal"

android:layout\_marginTop="32dp"

android:text="Submit"/>

</LinearLayout>