ASSIGNMENT-1

NAME:PULA PAVAN KUMAR REDDY

REGD.NO:21BEC7119

Code:

```
package com.example.sample

import android.os.Bundle
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.Spacer import
androidx.compose.foundation.layout.fillMaxSize import
androidx.compose.foundation.layout.padding import
androidx.compose.material3.Button import
androidx.compose.material3.ButtonDefaults import
androidx.compose.material3.ExperimentalMaterial3Api
import androidx.compose.material3.MaterialTheme
import androidx.compose.material3.Surface 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.graphics.Color import
androidx.compose.ui.graphics.RectangleShape
import androidx.compose.ui.text.TextStyle import
androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.dp import
com.example.sample.ui.theme.SampleTheme

class MainActivity : ComponentActivity() {     override
fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            Column(modifier =
Modifier.fillMaxSize(), horizontalAlignment =
```

```kotlin
Alignment.CenterHorizontally) {
simpleText()                    simpleTextField()

                simpleTextFieldpswrd()
                Column (modifier =
Modifier.fillMaxSize(1f) ,verticalArrangement =
Arrangement.Center,
horizontalAlignment = Alignment.CenterHorizontally) {
                    simpleButton()
                }
            }
        }
    }
}

@Composable fun
simpleText(){
Text(text =
"USER LOGIN",
modifier =
Modifier.padding
(50.dp),
        style =  TextStyle.Default
)

}

@OptIn(ExperimentalMaterial3Api::class)
@Composable fun
simpleTextField(){

    var text by remember { mutableStateOf("") }
    TextField(value = text , onValueChange = {it -> text = it },
textStyle = TextStyle(color = Color.Black), label = { Text(text =
"USERNAME")}  )
}

@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun simpleTextFieldpswrd(){

    var text by remember { mutableStateOf("") }
    TextField(value = text , onValueChange = {it -> text = it },
textStyle = TextStyle(color = Color.Black), label = { Text(text =
"PASSWORD")}  )
}


@Composable fun
simpleButton(){
```

```kotlin
    Button(modifier = Modifier.padding(16.dp), onClick = { /
*TODO*/ }, shape = RectangleShape) {
        Text(text = "LOGIN")
    }



}


@Preview
@Composable
fun simpleTextPreview(){
    Column(modifier = Modifier.fillMaxSize(), horizontalAlignment
=
Alignment.CenterHorizontally) {

simpleText()

simpleTextField()

        simpleTextFieldpswrd()
        Column (modifier =
Modifier.fillMaxSize(1f) ,verticalArrangement =
Arrangement.Center,
horizontalAlignment = Alignment.CenterHorizontally) {
            simpleButton()
        }
    }
}
```