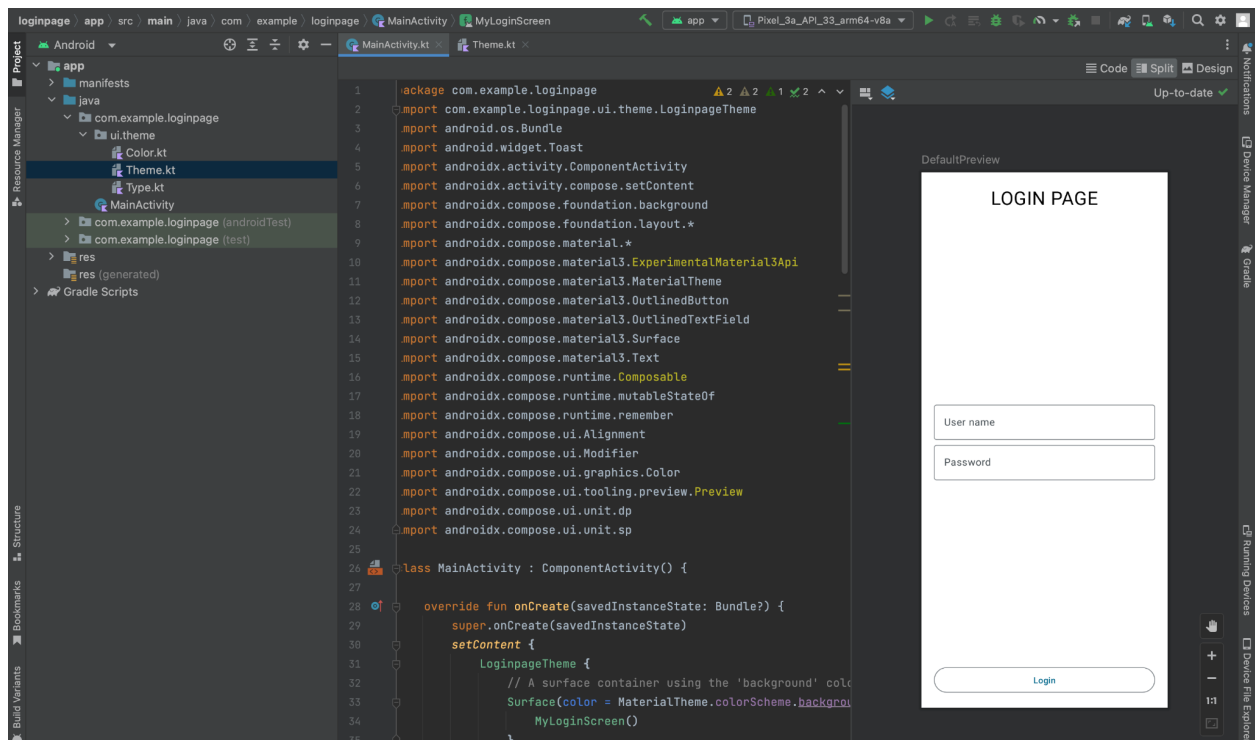


# Assignment 1

Name:G.Ashrita

Reg.No:21BCE8697



# Main Activity :

```
package com.example.loginpage
import com.example.loginpage.ui.theme.LoginpageTheme
import android.os.Bundle
import android.widget.Toast
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.background
import androidx.compose.foundation.layout.*
import androidx.compose.material.*
import androidx.compose.material3.ExperimentalMaterial3Api
import androidx.compose.material3.MaterialTheme
import androidx.compose.material3.OutlinedButton
import androidx.compose.material3.OutlinedTextField
import androidx.compose.material3.Surface
import androidx.compose.material3.Text
import androidx.compose.runtime.Composable
import androidx.compose.runtime.mutableStateOf
import androidx.compose.runtime.remember
import androidx.compose.ui.Alignment
import androidx.compose.ui.Modifier
import androidx.compose.ui.graphics.Color
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp

class MainActivity : ComponentActivity() {

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            LoginpageTheme {
                // A surface container using the 'background' color from the theme
                Surface(color = MaterialTheme.colorScheme.background) {
                    MyLoginScreen()
                }
            }
        }
    }

    fun checkLogin(username: String, password: String){
```

```

// Call API get response from API
// do whatever you want on response
if(username.equals("Ashritha") && password.equals("21bce8697")){
    Toast.makeText(this, "Logged in successful", Toast.LENGTH_LONG).show()
}else{
    Toast.makeText(this, "Login Failed", Toast.LENGTH_LONG).show()
}
}

```

```

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

```

```

    var username = remember { mutableStateOf("") }
    var password = remember { mutableStateOf("") }

```

```

    Box (
        modifier = Modifier.background(Color.White)
    ){
        Column(
            modifier = Modifier.fillMaxSize().padding(20.dp),
            verticalArrangement = Arrangement.Top,
            horizontalAlignment = Alignment.CenterHorizontally
        ) {

```

```

            Text(text = "LOGIN PAGE", color = Color.Black, fontSize = 30.sp)
            Spacer(modifier = Modifier.height(20.dp))
        }

```

```

        Column(
            modifier = Modifier.fillMaxSize().padding(20.dp),
            verticalArrangement = Arrangement.Center
        ) {

```

```

            OutlinedTextField(
                value = username.value,
                onChange = {
                    username.value = it
                },
                label = { // Floating label top of input box
                    Text(text = "User name")
                },
                placeholder = { // hint
                    Text(text = "Enter user name")
                }
            )

```

```

        },
        modifier = Modifier.fillMaxWidth()
    )
    OutlinedTextField(
        value = password.value,
        onChange = {
            password.value = it
        },
        label = {
            Text(text = "Password")
        },
        placeholder = {
            Text(text = "Enter Password")
        },
        modifier = Modifier.fillMaxWidth()
    )
}
Column(
    modifier = Modifier.fillMaxSize().padding(20.dp),
    verticalArrangement = Arrangement.Bottom
) {

    OutlinedButton(
        onClick = { // onclick listner
            checkLogin(username.value, password.value )
        },
        modifier = Modifier.fillMaxWidth() ) {
        Text(text = "Login")
    }
}

}

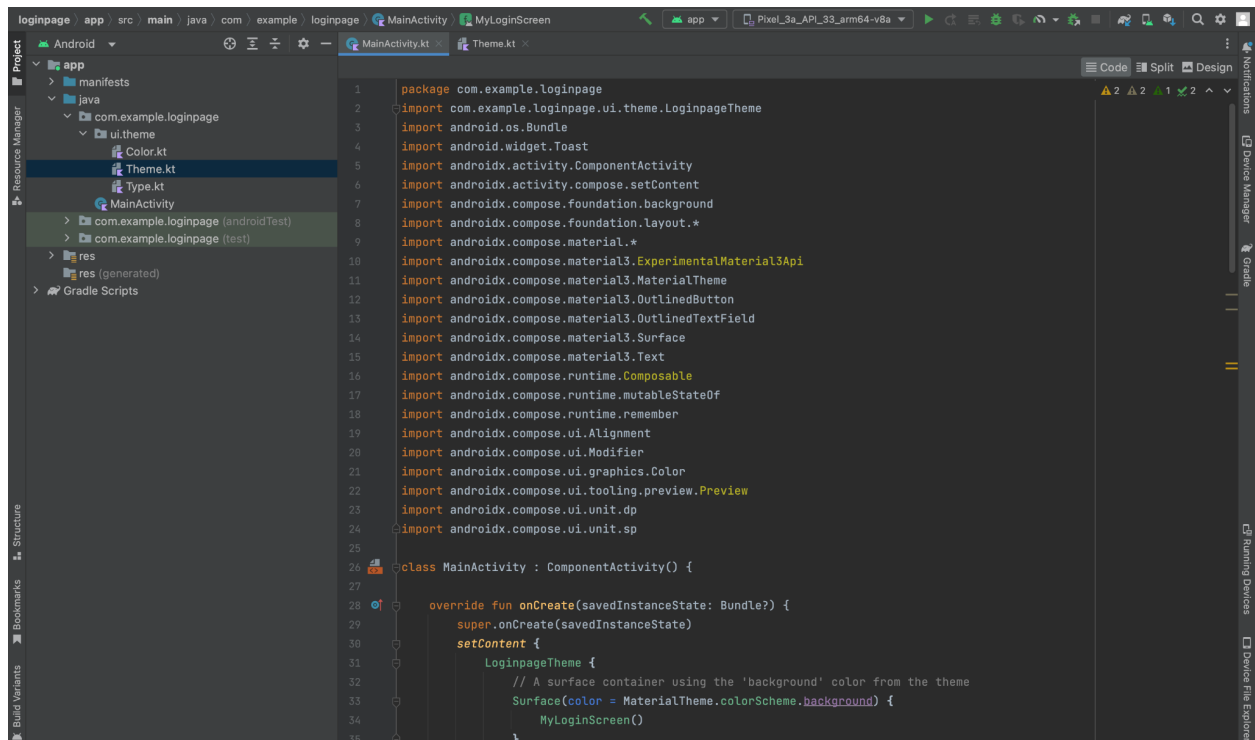
```

```

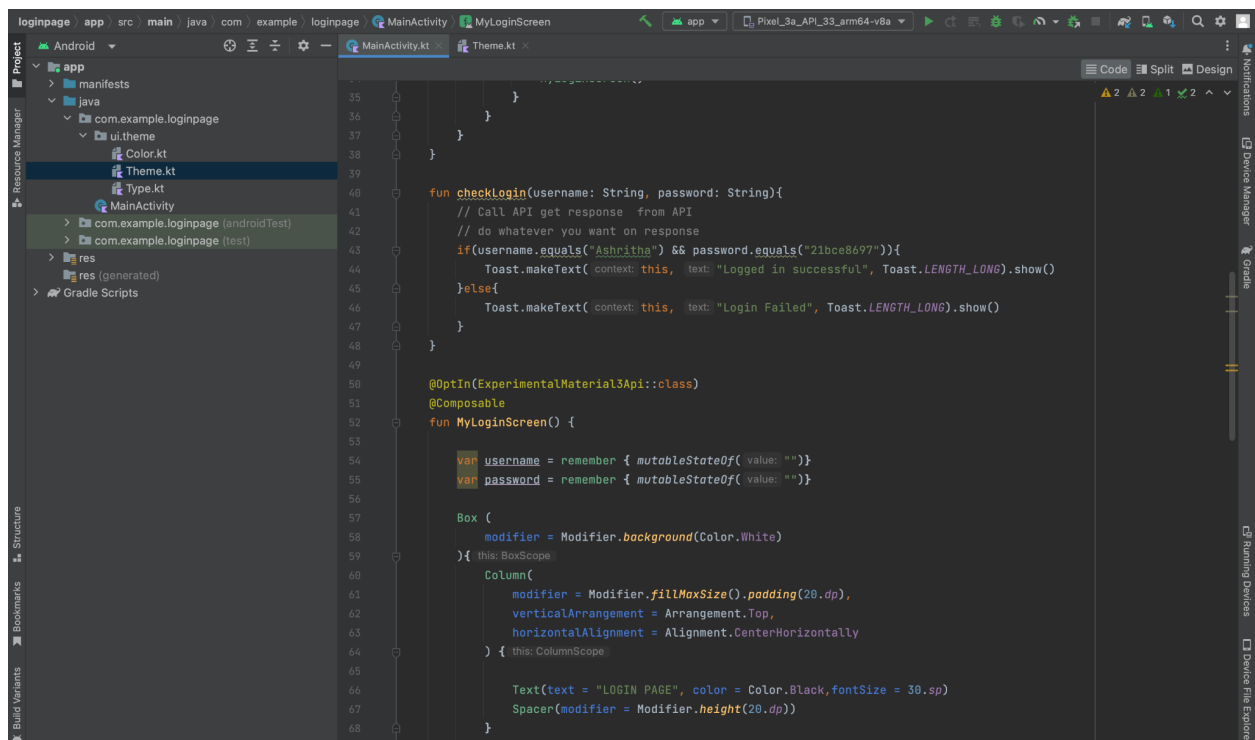
@Preview(showBackground = true)
@Composable
fun DefaultPreview() {
    LoginpageTheme {
        MyLoginScreen()
    }
}

```

```
}  
}  
}
```



```
1 package com.example.loginpage  
2 import com.example.loginpage.ui.theme.LoginpageTheme  
3 import android.os.Bundle  
4 import android.widget.Toast  
5 import androidx.activity.ComponentActivity  
6 import androidx.activity.compose.setContent  
7 import androidx.compose.foundation.background  
8 import androidx.compose.foundation.layout.*  
9 import androidx.compose.material.*  
10 import androidx.compose.material3.ExperimentalMaterial3Api  
11 import androidx.compose.material3.MaterialTheme  
12 import androidx.compose.material3.OutlinedButton  
13 import androidx.compose.material3.OutlinedTextField  
14 import androidx.compose.material3.Surface  
15 import androidx.compose.material3.Text  
16 import androidx.compose.runtime.Composable  
17 import androidx.compose.runtime.mutableStateOf  
18 import androidx.compose.runtime.remember  
19 import androidx.compose.ui.Alignment  
20 import androidx.compose.ui.Modifier  
21 import androidx.compose.ui.graphics.Color  
22 import androidx.compose.ui.tooling.preview.Preview  
23 import androidx.compose.ui.unit.dp  
24 import androidx.compose.ui.unit.sp  
25  
26 class MainActivity : ComponentActivity() {  
27  
28     override fun onCreate(savedInstanceState: Bundle?) {  
29         super.onCreate(savedInstanceState)  
30         setContent {  
31             LoginpageTheme {  
32                 // A surface container using the 'background' color from the theme  
33                 Surface(color = MaterialTheme.colorScheme.background) {  
34                     MyLoginScreen()  
35                 }  
36             }  
37         }  
38     }  
39  
40     fun checkLogin(username: String, password: String){  
41         // Call API get response from API  
42         // do whatever you want on response  
43         if(username.equals("Ashritha") && password.equals("21bce8697")){  
44             Toast.makeText(context, "Logged in successful", Toast.LENGTH_LONG).show()  
45         }else{  
46             Toast.makeText(context, "Login Failed", Toast.LENGTH_LONG).show()  
47         }  
48     }  
49  
50     @OptIn(ExperimentalMaterial3Api::class)  
51     @Composable  
52     fun MyLoginScreen() {  
53  
54         var username = remember { mutableStateOf(value: "")}  
55         var password = remember { mutableStateOf(value: "")}  
56  
57         Box(  
58             modifier = Modifier.background(Color.White)  
59         ){ this: BoxScope  
60  
61             Column(  
62                 modifier = Modifier.fillMaxSize().padding(20.dp),  
63                 verticalArrangement = Arrangement.Top,  
64                 horizontalAlignment = Alignment.CenterHorizontally  
65             ) { this: ColumnScope  
66  
67                 Text(text = "LOGIN PAGE", color = Color.Black, fontSize = 30.sp)  
68                 Spacer(modifier = Modifier.height(20.dp))  
69             }  
70         }  
71     }  
72 }
```



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