

ASSIGNMENT-01

ANDROID APP DEVELOPMENT

NAME.: P. MAHESWAR REDDY

REG NO.: 21BCE7009

CAMPUS.: VIT-AP UNIVERSITY

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- ❖ Simple LogicScreen with two textfields username and password and a Login button.

```
package com.example.loginpage

import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.Image
import androidx.compose.foundation.layout.Column
import androidx.compose.foundation.text.KeyboardOptions
import androidx.compose.material.*
import androidx.compose.material3.Button
import androidx.compose.material3.ExperimentalMaterial3Api
import androidx.compose.material3.Text
import androidx.compose.material3.TextField
import androidx.compose.runtime.*
import androidx.compose.ui.res.painterResource
import androidx.compose.ui.text.input.ImeAction
import androidx.compose.ui.text.input.KeyboardType
import androidx.compose.ui.tooling.preview.Preview

@ExperimentalMaterial3Api

class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            LoginScreen()
        }
    }
}

@ExperimentalMaterial3Api
```

```

@Preview(showBackground = true , widthDp = 300 , heightDp
= 250)
@Composable
public fun LoginScreen() {
    Column {
        var username by remember { mutableStateOf(" ") }
        var password by remember { mutableStateOf(" ") }
        Text(text = "Username")
        TextField(
            value = username,
            onValueChange = { newUsername ->
                username = newUsername
            },
            leadingIcon = {
                Image(
                    painter = painterResource(id =
                        android.R.drawable.star_big_on),
                    contentDescription = "Star Icon"
                )
            },
            label = {
                Text(text = "Your Label")
            }
        )
        Text(text = "Password")
        TextField(value = password,
            onValueChange = {newPassword ->
                password = newPassword
            },
            keyboardOptions = KeyboardOptions(
                keyboardType = KeyboardType.Password,
                imeAction = ImeAction.Done
            ),
            placeholder = {
                Text(text = "Your Placeholder/Hint")
            }
        )
        Button(onClick = { /*TODO*/ }) {
            Text(text= "Log in")
        }
    }
}

```

Screenshots


```


49         )
50     },
51     label = {
52         Text(text = "Your Label")
53     }
54 )
55 Text(text = "Password")
56 TextField(value = password,
57     onChange = {newPassword ->
58         password = newPassword
59     },
60     keyboardOptions = KeyboardOptions(
61         keyboardType = KeyboardType.Password,
62         imeAction = ImeAction.Done
63     ),
64     placeholder = {
65         Text(text = "Your Placeholder/Hint")
66     }
67 )
68 Button(onClick = { /*TODO*/ }) { this: RowScope
69     Text(text= "Log in")
70 }
71 }
72 }

```

OUTPUT

LoginScreen

Username


Your Label

Password

Log in