**Android App Development**

**ASSIGNMENT - 1**

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**Creating a Login Page**

Github Link:

https://github.com/amxlns/Login-Page.git

MainActivity.kt:

package com.example.assignment1

import android.os.Bundle

import androidx.activity.ComponentActivity

import androidx.activity.compose.setContent

import androidx.compose.\*

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.height

import androidx.compose.foundation.layout.padding

import androidx.compose.material3.Button

import androidx.compose.material3.ExperimentalMaterial3Api

import androidx.compose.material3.MaterialTheme

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.input.TextFieldValue

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)

**{**

LoginScreen()

**}**

**}**

}

}

@Composable

fun LoginScreen()

{

Column(modifier = Modifier

.*fillMaxSize*()

.*padding*(20.*dp*),

verticalArrangement = Arrangement.Center,

horizontalAlignment = Alignment.CenterHorizontally)

**{**

Text(text="Login",style=MaterialTheme.typography.displayMedium)

Spacer(modifier = Modifier.*height*(20.*dp*))

simpleTextField1()

Spacer(modifier = Modifier.*height*(6.*dp*))

simpleTextField2()

Spacer(modifier = Modifier.*height*(20.*dp*))

simpleButton()

**}**

}

@Composable

fun simpleButton()

{

Button(modifier = Modifier.*padding*(16.*dp*),onClick=**{}**)

**{**

Text(text="Submit")

**}**

}

@OptIn(ExperimentalMaterial3Api::class)

@Composable

fun simpleTextField1()

{

var user by remember **{** *mutableStateOf*(TextFieldValue()) **}**

TextField(value = user, onValueChange = **{**it -> user = it**}**, label = **{**Text(text = "Username")**}**)

}

@OptIn(ExperimentalMaterial3Api::class)

@Composable

fun simpleTextField2()

{

var pass by remember **{** *mutableStateOf*(TextFieldValue()) **}**

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

}



