Name: Ashish Aaran David
Reg. No: 21BDS0335

Assignment – 1

<u>Google Drive Project Link:</u>

https://drive.google.com/file/d/1agUi5E2gSjQw4XfV0Sr1_eLpCnnRTDpU/view?usp=sharing

<u>CODE:</u>

```kotlin
package main.helathcare.sampletraining

import android.graphics.fonts.FontFamily
import android.graphics.fonts.FontStyle
import android.os.Bundle
import android.webkit.WebSettings
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.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.graphics.Color
import androidx.compose.ui.text.TextStyle
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.text.style.TextDecoration
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.em
import androidx.compose.ui.unit.sp

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

```kotlin
                    {
                        simpleText()
                        simpleTextField()
                        Column (modifier = Modifier.fillMaxSize(1f)
        ,verticalArrangement = Arrangement.Bottom, horizontalAlignment =
        Alignment.CenterHorizontally) {
                                simpleButton()
                            }
                        }
                    }
                }
            }

        @Composable
        fun simpleText(){
            Text(text = "Login", modifier = Modifier.padding(16.dp),
                style = TextStyle(
                    color = Color.Black,
                    fontSize = 40.sp,
                    fontWeight = FontWeight.W800,
                    letterSpacing = 0.1.em
                )
            )
        }

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

            var text by remember { mutableStateOf("") }
            TextField(value = text , onValueChange = {it -> text = it },
        label = { Text(text = "Username")}  )
            var texttwo by remember { mutableStateOf("") }
            TextField(value = texttwo , onValueChange = {it -> texttwo = it
        }, label = { Text(text = "Password")}  )
        }


        @Composable
        fun simpleButton(){

            Button(modifier = Modifier.padding(16.dp), onClick = { /*TODO*/
        }) {
                Text(text = "Submit")
            }


        }


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

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

## CODE SCREENSHOT:

```
49                                                                              ⚠9 ⚠3 ✘1 ^
50      @Composable
51    ⌄fun simpleText(){
52          Text(text = "Login", modifier = Modifier.padding(16.dp),
53              style = TextStyle(
54                  color = Color.Black,
55                  fontSize = 40.sp,
56                  fontWeight = FontWeight.W800,
57                  letterSpacing = 0.1.em
58              )
59          )
60    ⌄}
61
62      @OptIn(ExperimentalMaterial3Api::class)
63      @Composable
64    ⌄fun simpleTextField(){
65
66          var text by remember { mutableStateOf( value: "") }
67          TextField(value = text , onValueChange = {it -> text = it }, label = { Text(text = "Username")}  )
68          var texttwo by remember { mutableStateOf( value: "") }
69          TextField(value = texttwo , onValueChange = {it -> texttwo = it }, label = { Text(text = "Password")}  )
70    ⌄}
71
72
73      @Composable
74    ⌄fun simpleButton(){
75
76          Button(modifier = Modifier.padding(16.dp), onClick = { /*TODO*/ }) { this: RowScope
```
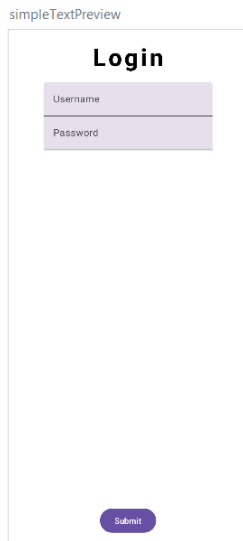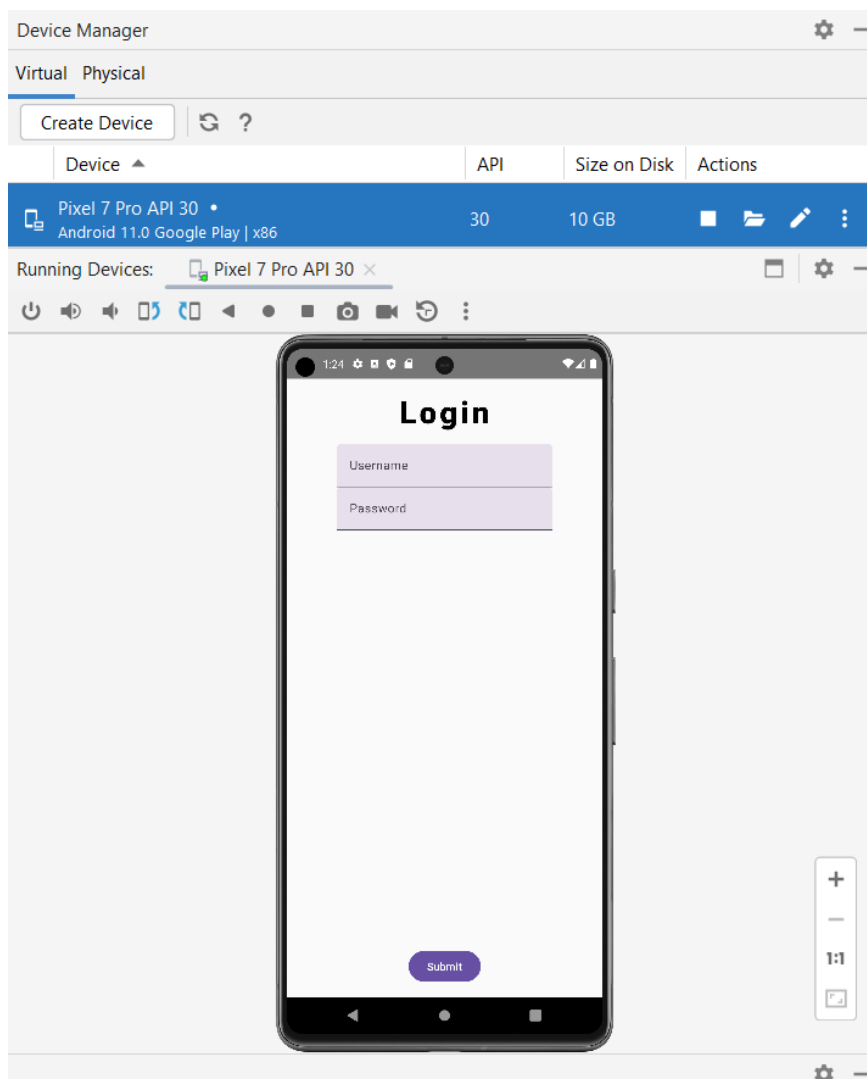
## OUTPUT:
## PREVIEW:

simpleTextPreview

**Login**

Username

Password

Submit

## FINAL OUTPUT:



Device Manager

Virtual  Physical

Create Device

| Device ▲ | API | Size on Disk | Actions |
|---|---|---|---|
| Pixel 7 Pro API 30 •<br>Android 11.0 Google Play \| x86 | 30 | 10 GB | ■ 📂 ✏ ⋮ |

Running Devices:  Pixel 7 Pro API 30 ×

**Login**

Username

Password

Submit