

### Assignment 3 MainActivity.kt

```
package com.example.myapplication

import android.app.Application import
import android.content.Context import android.content.Intent import
import android.net.Uri import kotlinx.coroutines.launch import
import android.os.Bundle import
import androidx.activity.ComponentActivity import
import androidx.activity.compose.setContent import
import androidx.compose.foundation.Image import
import androidx.compose.foundation.layout.Arrangement import
import androidx.compose.foundation.text.BasicTextField import
import androidx.compose.foundation.layout.Column import
import androidx.compose.foundation.layout.Spacer import
import androidx.compose.foundation.layout.fillMaxSize import
import androidx.compose.foundation.layout.height import
import androidx.compose.foundation.layout.padding import
import androidx.compose.foundation.text.KeyboardOptions import
import androidx.compose.material3.Button import
import androidx.compose.material3.ExperimentalMaterial3Api
import androidx.compose.material3.MaterialTheme import
import androidx.compose.material3.Surface import
import androidx.compose.material3.Text import
import androidx.compose.material3.TextField import
import androidx.compose.material3.OutlinedTextField import
import androidx.compose.material3.TextFieldColors import
import androidx.compose.runtime.Composable import
import androidx.compose.runtime.getValue import
import androidx.compose.runtime.mutableStateOf import
import androidx.compose.runtime.remember import
import androidx.compose.runtime.setValue import
import androidx.compose.ui.Alignment import
import androidx.compose.ui.Modifier import
import androidx.compose.ui.graphics.Color import
import androidx.compose.ui.platform.LocalContext import
import androidx.compose.ui.platform.LocalUriHandler import
import androidx.compose.ui.res.painterResource import
import androidx.compose.ui.text.input.ImeAction import
import androidx.compose.ui.text.input.KeyboardType import
import androidx.compose.ui.tooling.preview.Preview import
import androidx.compose.ui.unit.dp class MainActivity :
ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {

            MyAppContent()
```

```

    }
  }
}

```

```

@OptIn(ExperimentalMaterial3Api::class)

```

```

@Composable fun

```

```

MyAppContent() { val context =

```

```

    LocalContext.current

```

```

    Surface( modifier =

```

```

        Modifier.fillMaxSize(), color =

```

```

        Color.Cyan)

```

```

    {

```

```

        Column( modifier =

```

```

            Modifier

```

```

                .fillMaxSize()

```

```

                .padding(16.dp), verticalArrangement =

```

```

                Arrangement.Center, horizontalAlignment =

```

```

                Alignment.CenterHorizontally

```

```

            ) {

```

```

                var username by remember { mutableStateOf("") }

```

```

                var password by remember { mutableStateOf("") }

```

```

                Text(text = "Login", style = MaterialTheme.typography.headlineLarge.copy(color =
                    Color.Black))

```

```

                Spacer(modifier = Modifier.height(36.dp))

```

```

                OutlinedTextField( label = { Text("Enter

```

```

                    Email") }, keyboardOptions =

```

```

                    KeyboardOptions(

```

```

                        keyboardType = KeyboardType.Email,

```

```

                        imeAction = ImeAction.Done),

```

```

                        value = username,

```

```

                        onChange = { newUsername -> username = newUsername },

```

```

                        leadingIcon = {

```

```

                            Image( painter = painterResource(id =

```

```

                                android.R.drawable.star_big_on), contentDescription = "Star

```

```

                                Icon"

```

```

                            )

```

```

                        },

```

```

                    )

```

```

                OutlinedTextField( label = {

```

```

                    Text("Enter Password") }, value =

```

```

                    password,

```

```

                    onChange = { newPassword -> password = newPassword},

```

```

                    keyboardOptions = KeyboardOptions(

```

```

                        keyboardType = KeyboardType.Password,

```

```

                        imeAction = ImeAction.Done),

```

```

        leadingIcon = {
            Image( painter = painterResource(id =
                android.R.drawable.star_big_on), contentDescription = "Star
                Icon"
            )
        },
    )

    Button(
        onClick = {
            context.startActivity(Intent(Intent.ACTION_VIEW,
Uri.parse("https://www.google.co.in/"))),
            modifier = Modifier.padding(all = 10.dp)
        )
        {
            Text(text = "Sign In to Google", style =
MaterialTheme.typography.bodyMedium.copy(color = Color.Black))
        }

    Button(
        onClick = {
            context.startActivity(Intent(Intent.ACTION_VIEW,
Uri.parse("https://www.amazon.co.in/"))),
            modifier = Modifier.padding(all = 10.dp)
        )
        {
            Text(text = "Sign In to Amazon", style =
MaterialTheme.typography.bodyMedium.copy(color = Color.Black))
        }

    Button(
        onClick = {
            context.startActivity(Intent(Intent.ACTION_VIEW,
Uri.parse("https://www.youtube.co.in/"))),
            modifier = Modifier.padding(all = 10.dp)
        )
        {
            Text(text = "Sign In to Youtube", style =
MaterialTheme.typography.bodyMedium.copy(color = Color.Black))
        }

    Button(
        onClick = {
            context.start
            Activity(Inte
            nt(Intent.AC

```

```

        TION_VIEW
    },
    Uri.parse("https://www.geeksforgeeks.org/")))),
    modifier = Modifier.padding(all = 10.dp)
)
{
    Text(text = "Sign In to GFG", style =
MaterialTheme.typography.bodyMedium.copy(color = Color.Black))
}
}
}}

```

### AndroidManifest.xml

```

< ?xml version="1.0" encoding="utf-8"?>
< manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">

    < application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/Theme.MyApplication"
        tools:targetApi="31">
        < activity android:name=".MainActivity"
            android:exported="true"
            android:label="@string/app_name"
            android:theme="@style/Theme.MyApplication"
            >
            < intent-filter>
                < action android:name="android.intent.action.MAIN" />

                < category android:name="android.intent.category.LAUNCHER" />
            < /intent-filter>
        < /activity>
    < /application>

< /manifest>

```

### styles.xml

```

< ?xml version="1.0" encoding="utf-8"?>

```

```
< resources></resources>
```

## **themes.xml**

```
< ?xml version="1.0" encoding="utf-8"?>
```

```
< resources>
```

```
    < style name="Theme.MyApplication"
parent="android:Theme.Material.Light.NoActionBar">
```

```
    <!--      <item name=
```

```
    "android:textAppearance">@style/TextAppearance.MaterialComponents.Headline4</item>-
```

```
-
```

```
>
```

```
    <!--      <TextView>-->
```

```
    <!--      android:text="@string/headline_medium"-->
```

```
    <!--      android:textAppearance="@style/TextAppearance.Material3.Headline3"-->
```

```
    <!--      </TextView>-->
```

```
    < /style>
```

```
< /resources>
```

# Login



Enter Email



Enter Password

Sign In to Google

Sign In to Amazon

Sign In to Youtube

Sign In to GFG

