

# Week 4 Lab Report 2

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**Unit : ICT\_107 Mobile app and web development**

*Task 1: Create and run your first Android app:*

*Follow these steps*

*Task 2: Modify the text content, font size and background colour.*

*Task 3: Add two more texts (At least 3 sentences).*

1. Set the first **Text** composable to a **24sp** font size and **16dp** padding (start, end, bottom, and top).
2. Set the second **Text** composable to a default font size, **16dp** padding(start and end), and **Justify** text-align.
3. Set the third **Text** composable to a default font size, **16dp** padding (start, end, bottom, and top), and **Justify** text-align.
4. After you finish the implementation, your design should match this screenshot:

1) BG Colour :

Code :

```
package com.example.drishtigreetingbg// Update according to your package structure

import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.background
import androidx.compose.foundation.layout.*
import androidx.compose.material3.MaterialTheme
import androidx.compose.material3.Text
import androidx.compose.runtime.Composable
import androidx.compose.ui.Alignment
import androidx.compose.ui.Modifier
```

```

import androidx.compose.ui.graphics.Color
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp

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

@Composable
fun FullScreenGreetingCard() {
    Box(
        modifier = Modifier
            .fillMaxSize()
            .background(Color.Yellow) // Set your desired background color here
    ) {
        Column(
            modifier = Modifier
                .fillMaxSize()
                .padding(16.dp),
            verticalArrangement = Arrangement.Center, // Center vertically
            horizontalAlignment = Alignment.CenterHorizontally // Center
horizontally
        ) {
            Text(
                text = "Student Profile",
                fontSize = 24.sp,
                fontWeight = FontWeight.Bold,
                color = Color.Black // Change text color for visibility
            )

            Spacer(modifier = Modifier.height(8.dp))

            Text(
                text = "Hi! My name is Drishti. I am a student. I study Bachelor
of Information Technology at Sydney Metropolitan Institute.",
                fontSize = 16.sp,
                color = Color.Black // Change text color for visibility
            )

            Spacer(modifier = Modifier.height(8.dp)) // Space between lines

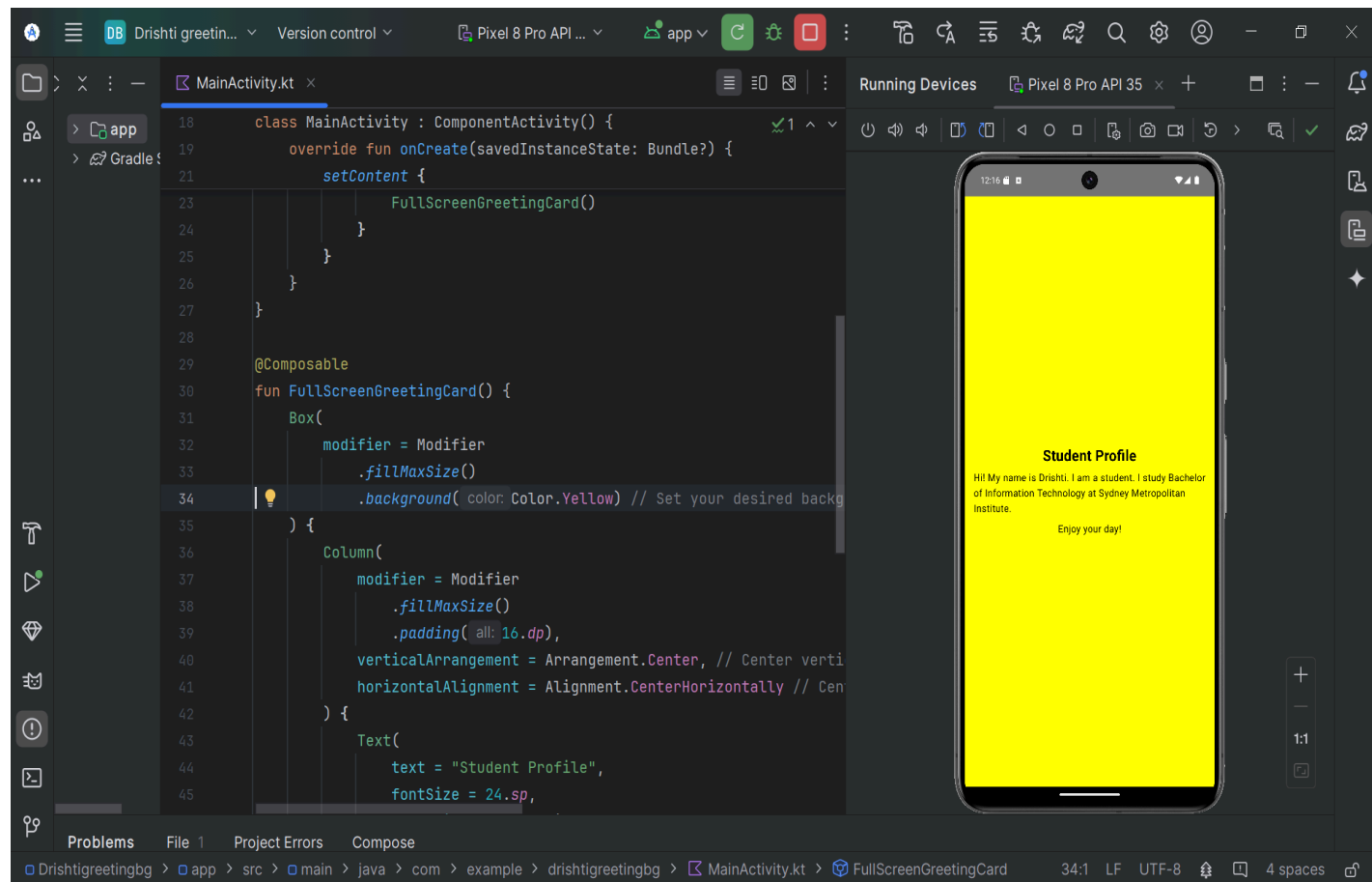
```

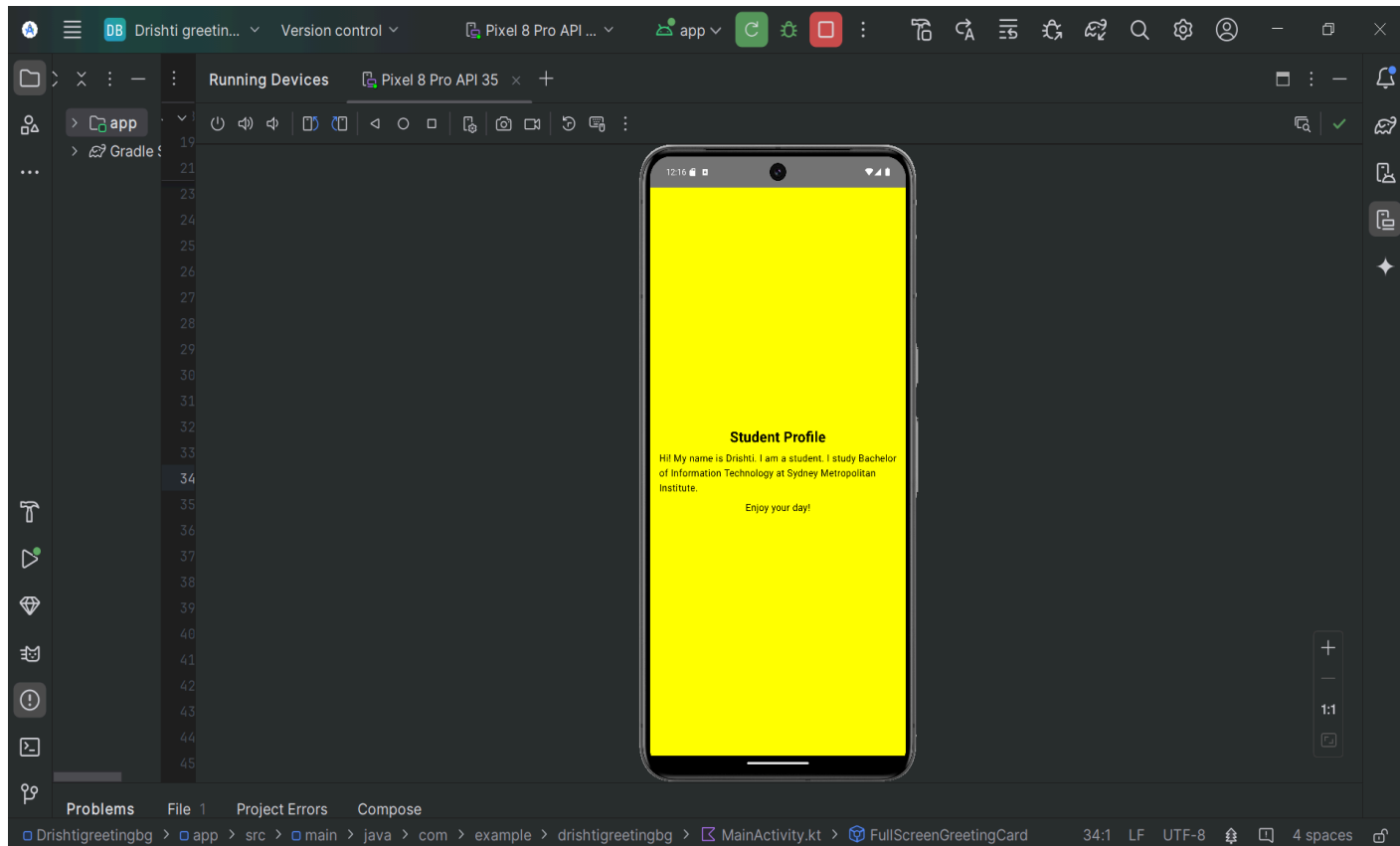
```

        Text(
            text = "Enjoy your day!",
            fontSize = 16.sp,
            color = Color.Black // Change text color for visibility
        )
    }
}

```

Output :





Source Port :

C:\Users\61411\AndroidStudioProjects\Drishtigreetingbg\app

2) Layouts :

Code :

```
package com.example.drishtigreetinglayout// Update according to your
package structure

import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.background
import androidx.compose.foundation.layout.*
import androidx.compose.material3.MaterialTheme
import androidx.compose.material3.Text
import androidx.compose.runtime.Composable
import androidx.compose.ui.Alignment
import androidx.compose.ui.Modifier
import androidx.compose.ui.graphics.Color
```

```

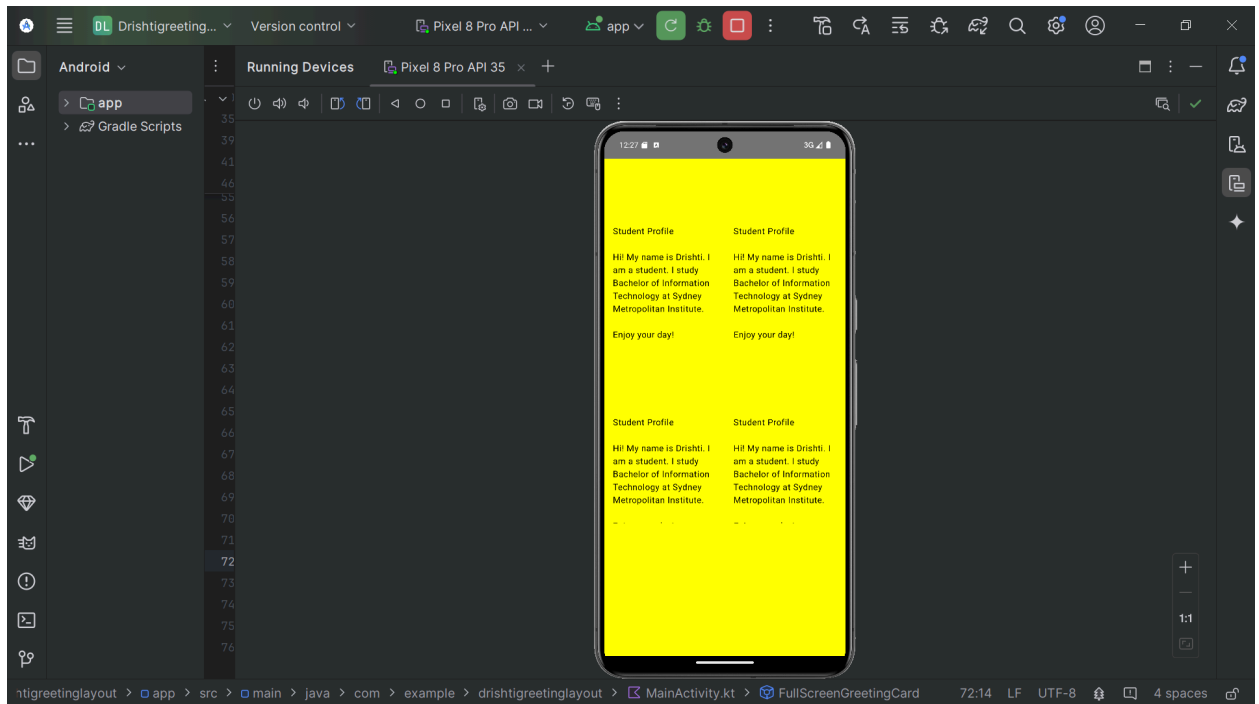
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp

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

@Composable
fun FullScreenGreetingCard() {
    Box(
        modifier = Modifier
            .fillMaxSize()
            .background(Color.Yellow) // Set your desired background color
        here
    ) {
        // Create a Column to stack the Rows vertically
        Column(
            modifier = Modifier.fillMaxSize()
        ) {
            // Create two Rows to fill the screen
            repeat(2) {
                Row(
                    modifier = Modifier
                        .fillMaxHeight(0.5f) // Each Row takes half the
                        height
                        .fillMaxWidth()
                ) {
                    // Each Row will be divided into two parts
                    repeat(2) {
                        Box(
                            modifier = Modifier
                                .weight(1f) // Equal weight to divide the
                                space equally
                                .fillMaxHeight()
                                .background(Color.Yellow) // Optional: add
                                a background color for visibility
                                .padding(16.dp),
                            contentAlignment = Alignment.Center // Center
                                text within each Box
                        ) {
                            Text(

```





Source Port :

C:\Users\61411\AndroidStudioProjects\Drishtigreetinglayout\app  
\src\main\java\com\example\drishtigreetinglayout\MainActivity.k  
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