

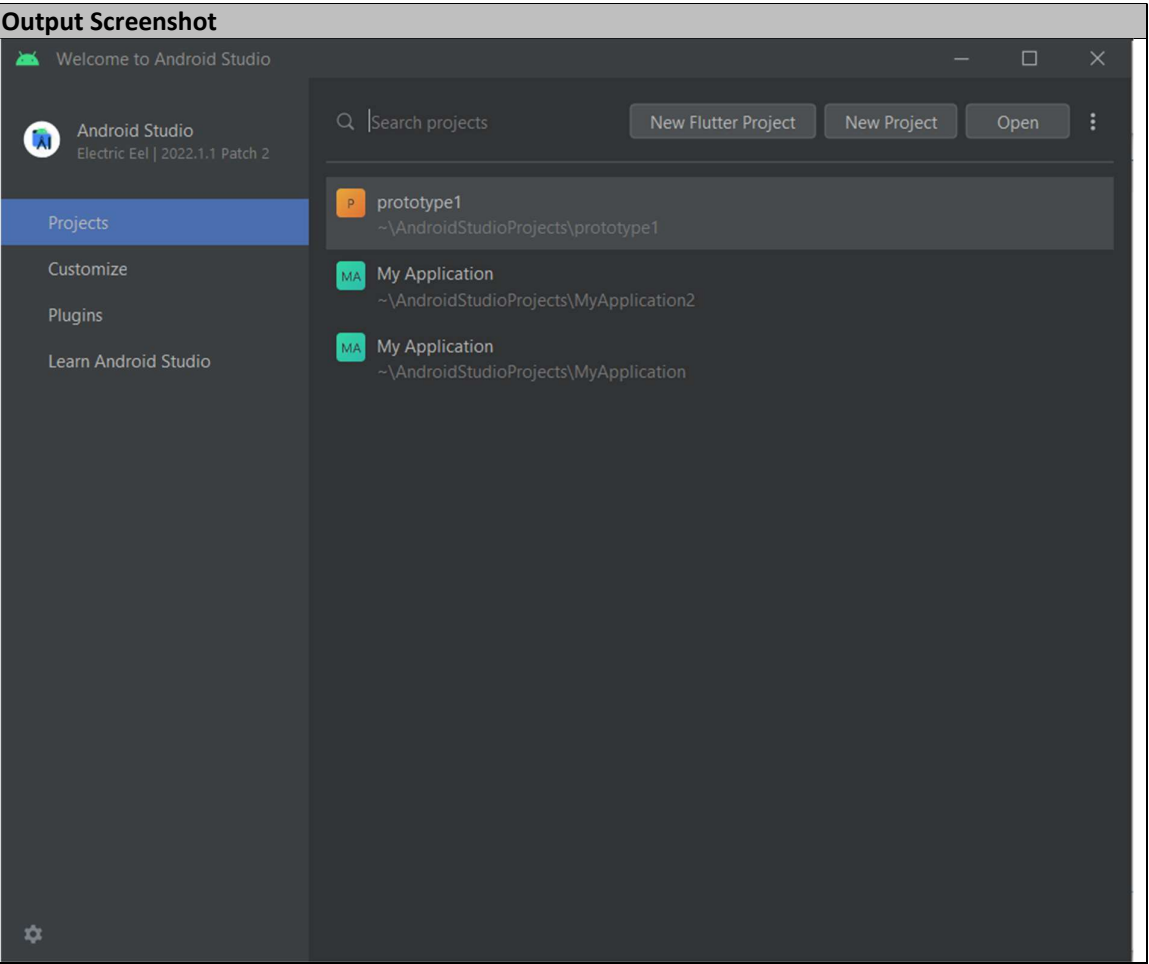
# BIT34103 – Mobile Application Development

## Lab 3

### Lesson 4: Download and Install Android Studio

Instruction:

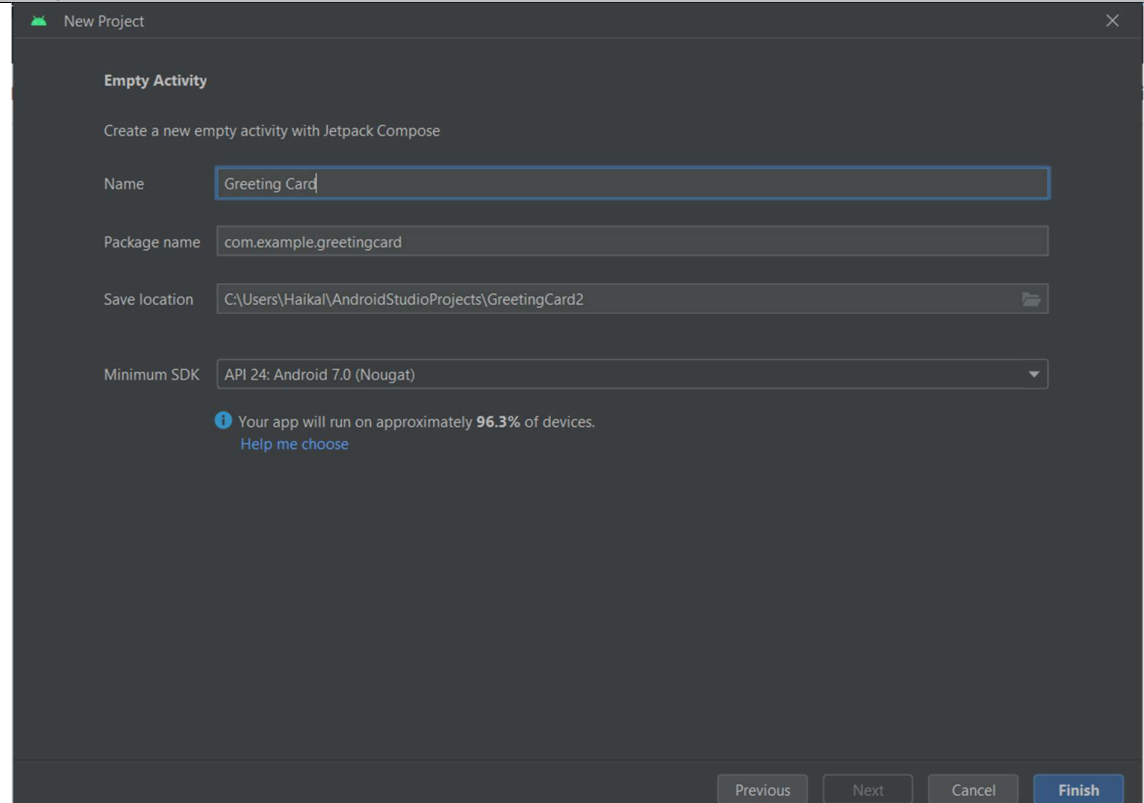
- 1. Complete the activity given in the following Codelab <https://bit.ly/3Si2rjj>
- 2. For each activity, screenshot the output in following table:

Activity	Output Screenshot
1. Windows: Download and install Android Studio	

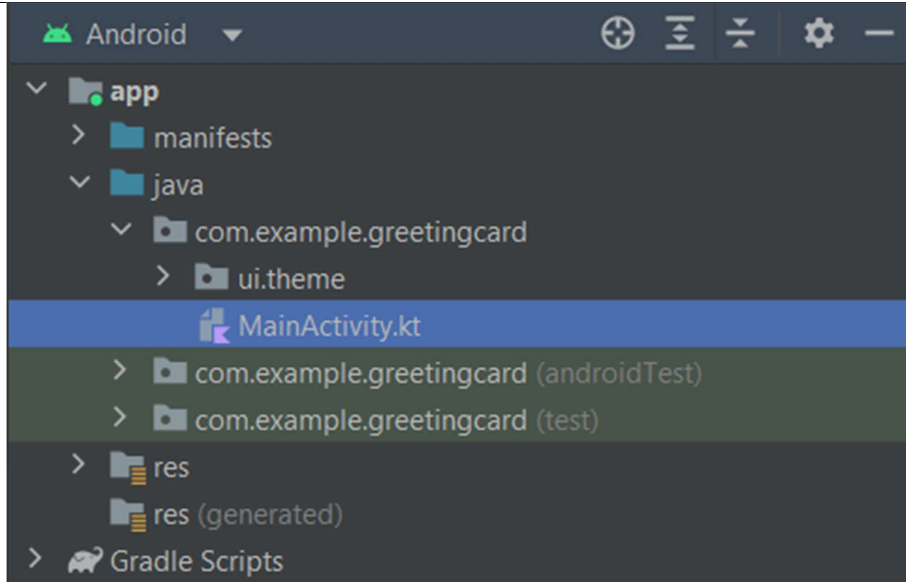
**Lesson 5: Create your first Android app**

Instruction:

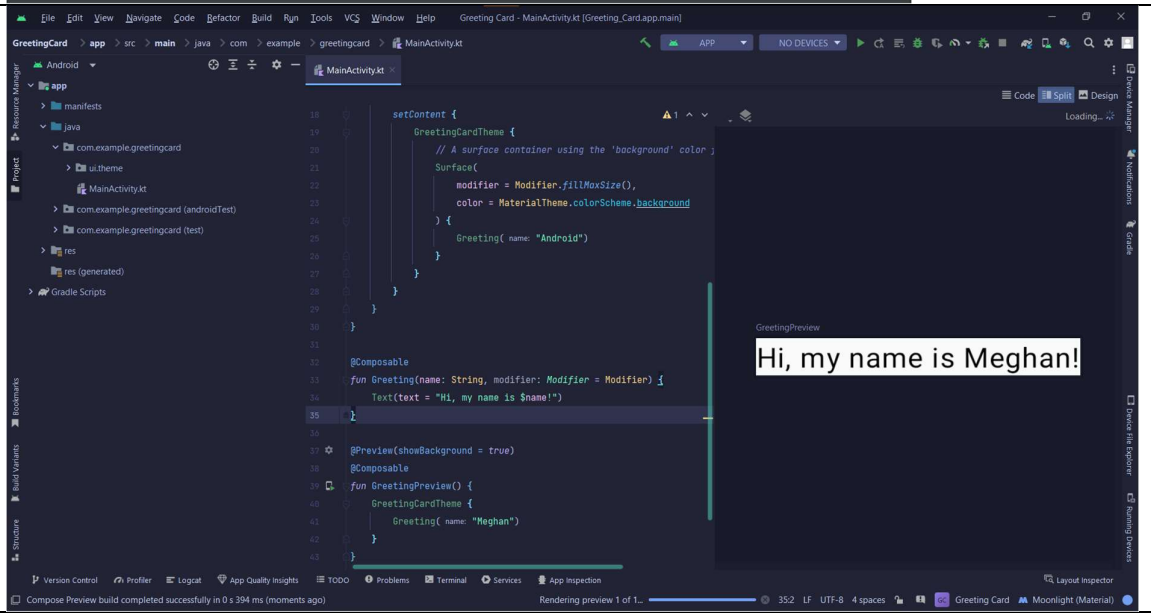
- 1. Complete the activity given in the following Codelab <https://bit.ly/49bpGSd>
- 2. For each activity, screenshot the output in following table:

Activity	Output Screenshot
1. Create a project using the template	

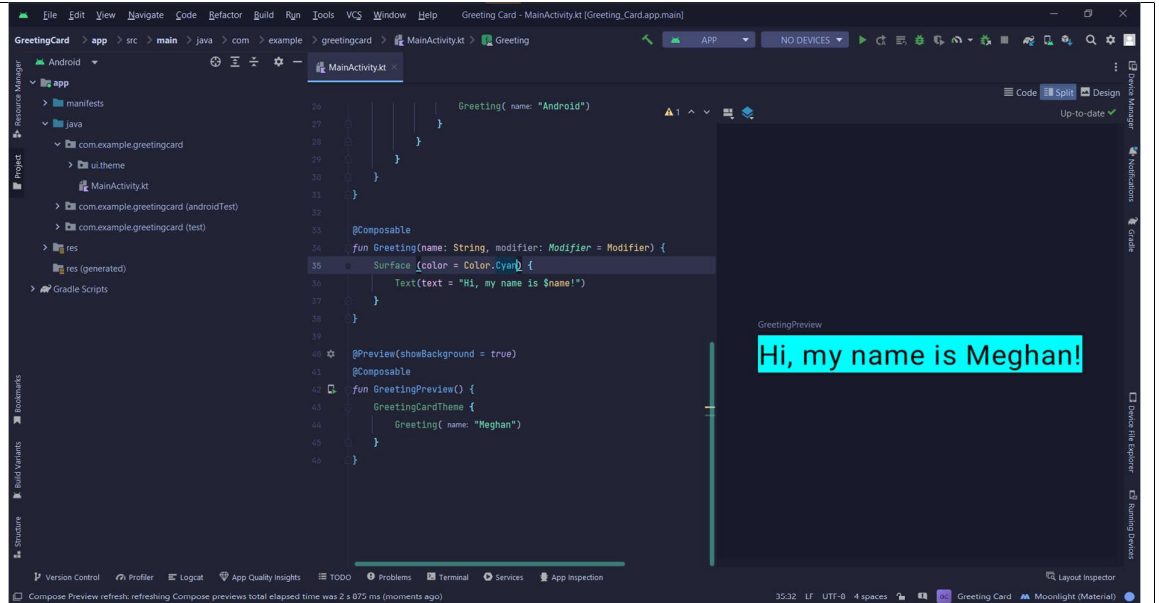
2. Find project files



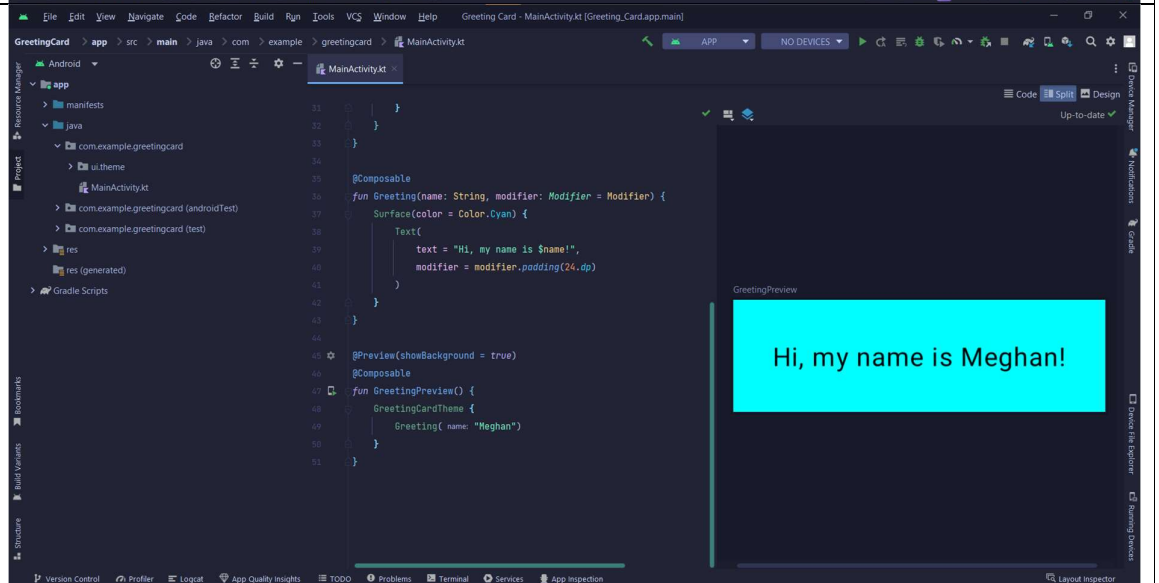
3. Update the text



4. Change the background color



5. Add padding



## 6. Review the solution code

```
1 package com.example.greetingcard
2
3 import androidx.appcompat.app.AppCompatActivity
4 import android.os.Bundle
5
6 class MainActivity : AppCompatActivity() {
7     override fun onCreate(savedInstanceState: Bundle?) {
8         super.onCreate(savedInstanceState)
9         setContentView(R.layout.activity_main)
10
11         // A surface container using the "background" color from the theme
12         Surface(
13             modifier = Modifier.fillMaxSize(),
14             color = MaterialTheme.colors.scheme.background
15         ) {
16             Greeting(name = "Android")
17         }
18     }
19 }
20
21 @Composable
22 fun Greeting(name: String, modifier: Modifier = Modifier) {
23     Surface(color = Color.Gray) {
24         Text(
25             text = "Hi, my name is $name",
26             modifier = modifier.padding(24.dp)
27         )
28     }
29 }
30
31 @Preview(showBackground = true)
32 @Composable
33 fun GreetingPreview() {
34     GreetingCardTheme {
35         Greeting(name = "Nephar")
36     }
37 }
```

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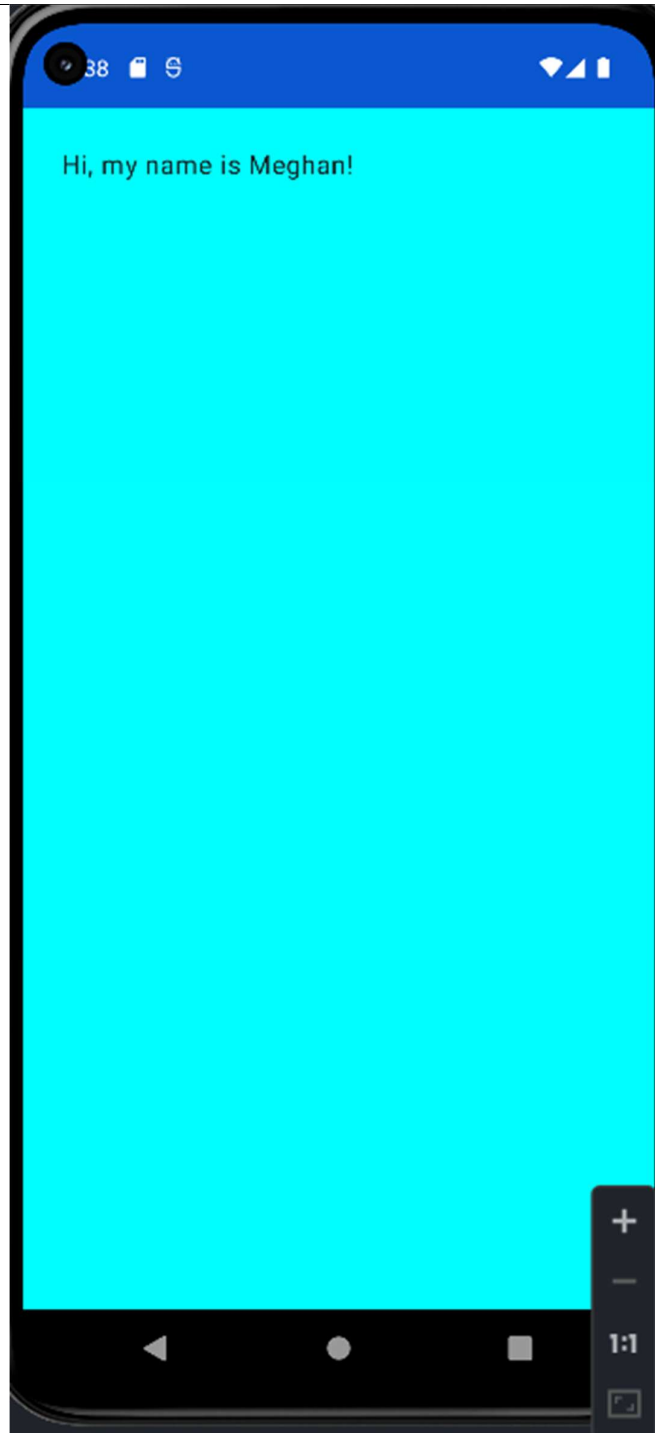
## Lesson 6: Run your first app on the Android Emulator

Instruction:

1. Complete the activity given in the following Codelab  
<https://bit.ly/3Mrbtqu>
2. You can skip (or watch later) the Video.
3. For this activity, screenshot the output in following table:

Activity	Output Screenshot
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3. Run your app on the  
Android Emulator



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## Lesson 7: How to connect your Android device

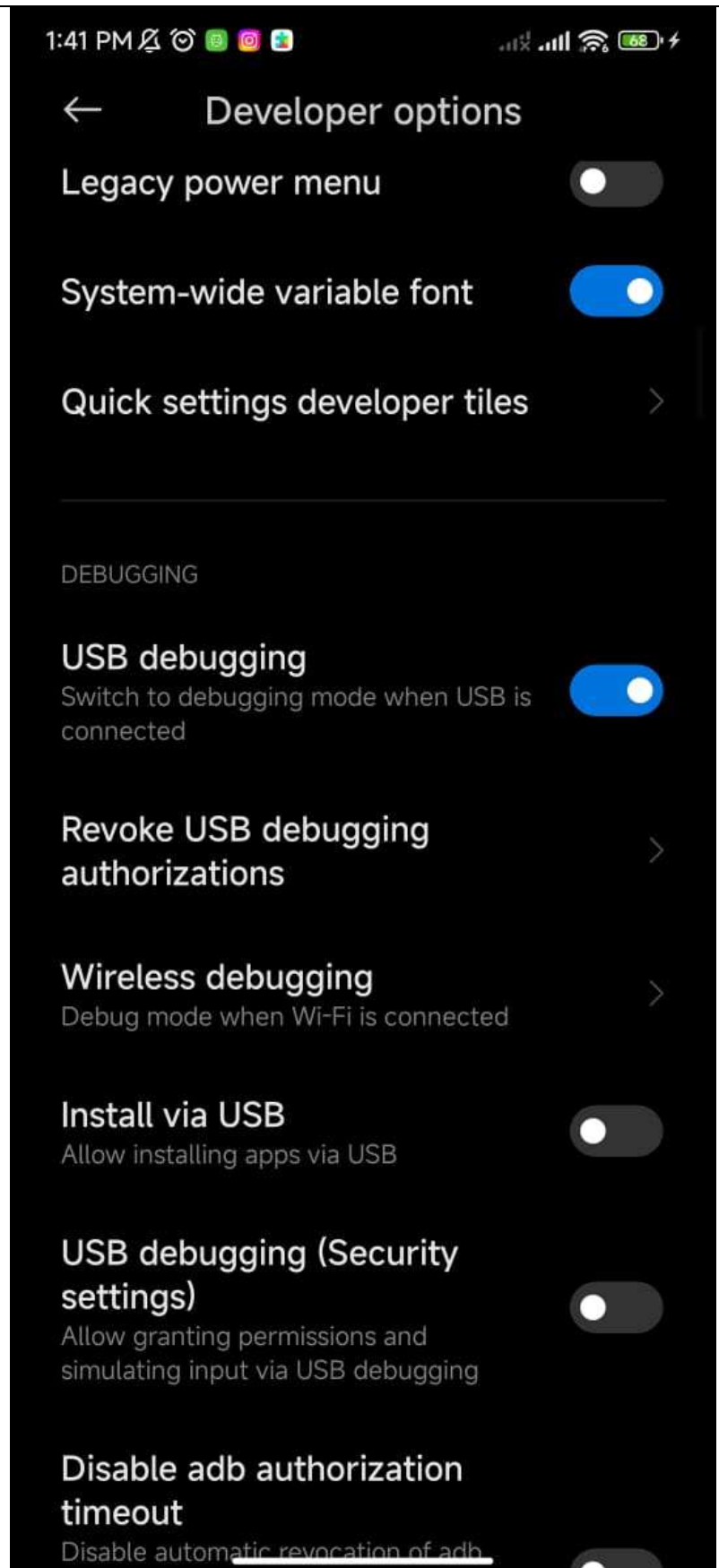
Instruction:

1. Complete the activity given in the following Codelab  
<https://bit.ly/3Mrbtqu>
2. You can skip (or watch later) the Video.
3. For this activity, screenshot the output in following table:

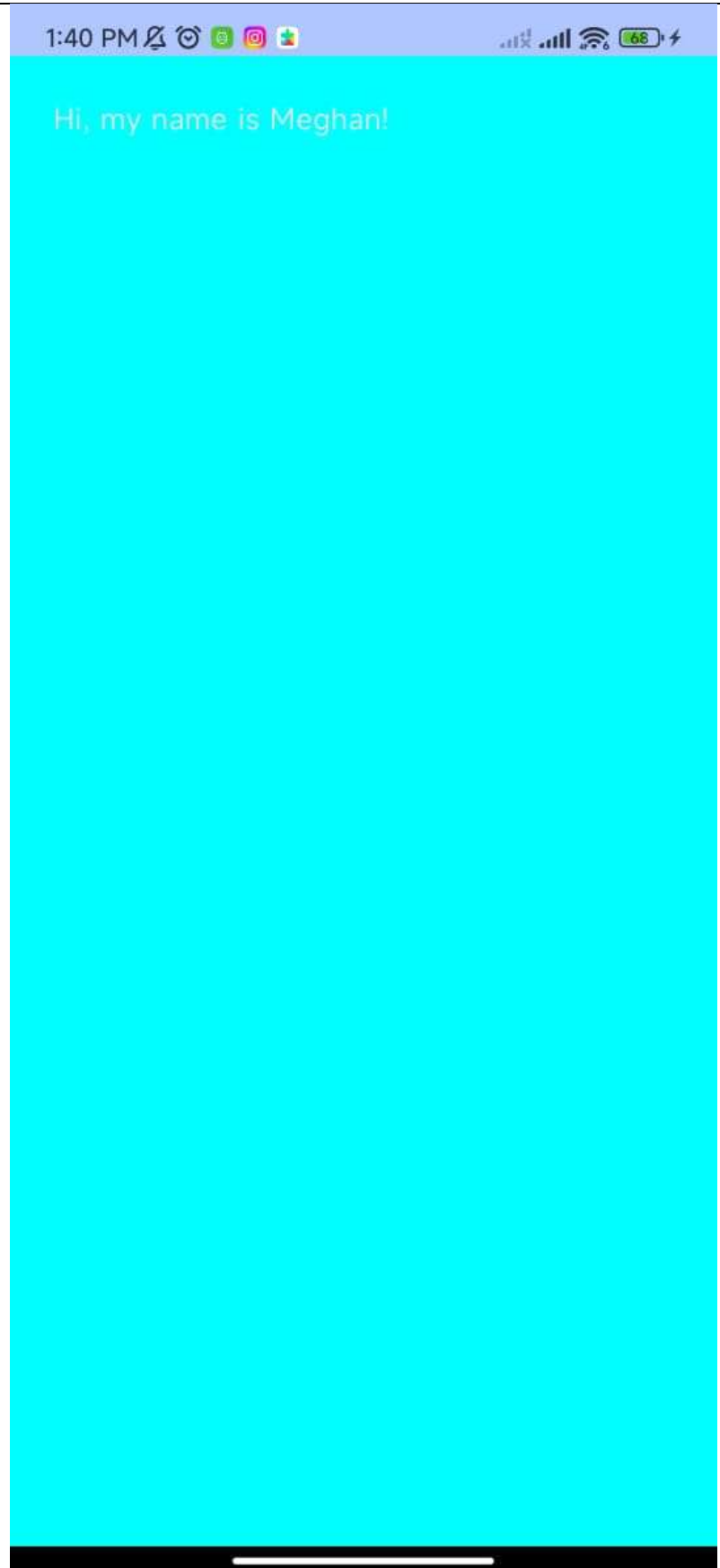
Activity	Output Screenshot
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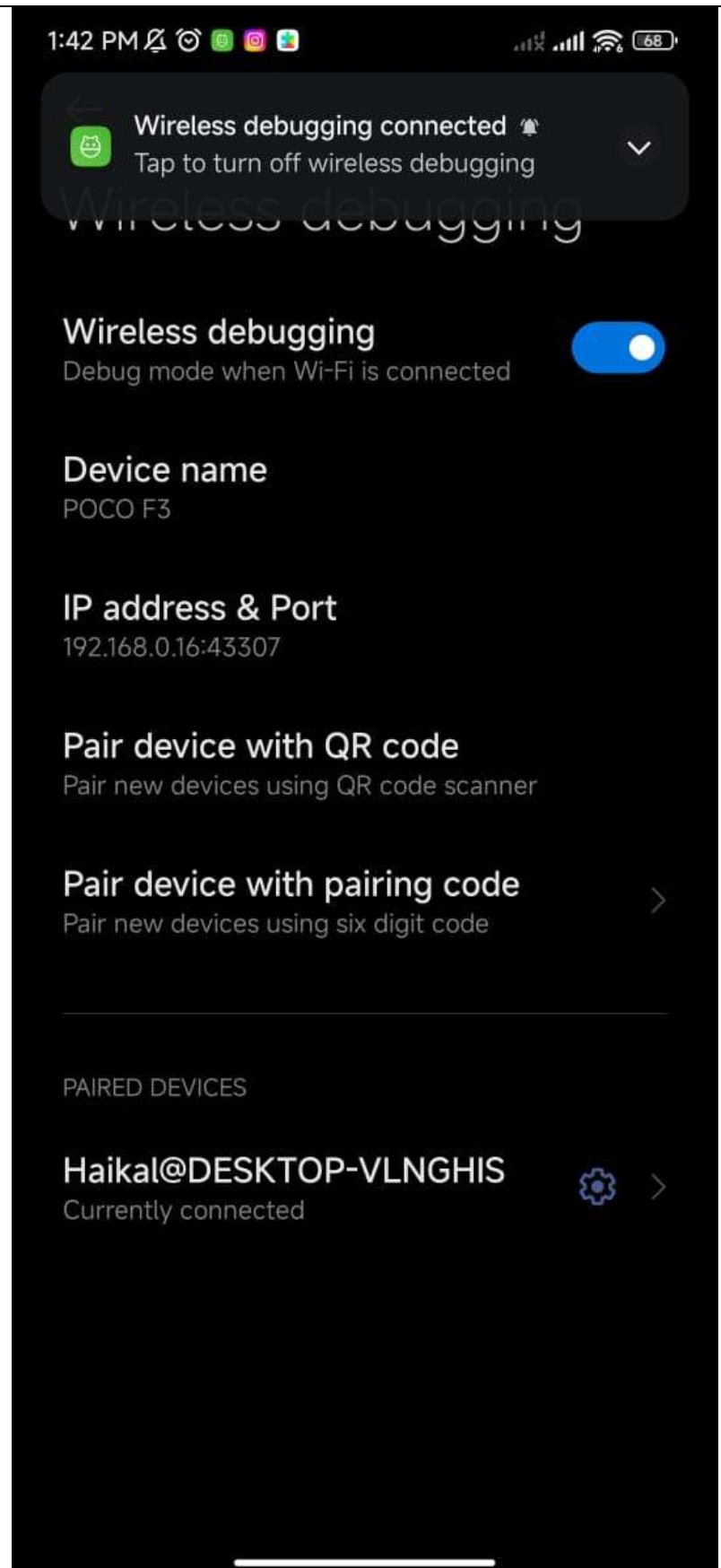
3. Enable USB debugging



4. Run your app on the Android device with a cable



5. Run your app on the Android device with Wi-Fi





## Quiz

1. Answer Quiz using the following link  
<https://bit.ly/3s6yc4h>
2. Screenshot Quiz Result

