

ICT_107 Week 2 - 3

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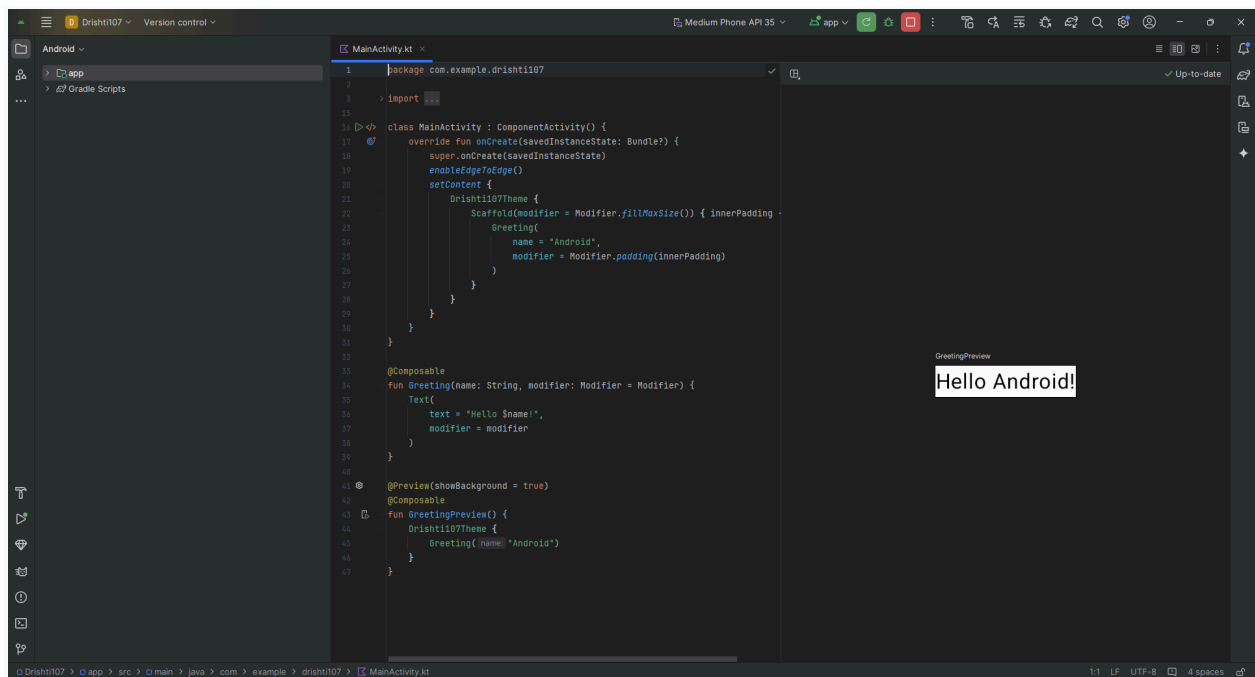
UNIT : ICT_107 Mobile App and Web Development

Tutorial :

1. “Hello Android”

```
@Composable
fun Greeting(name: String, modifier: Modifier = Modifier) {
    Text(
        text = "Hello Android",
        modifier = modifier
    )
}
```

Output:



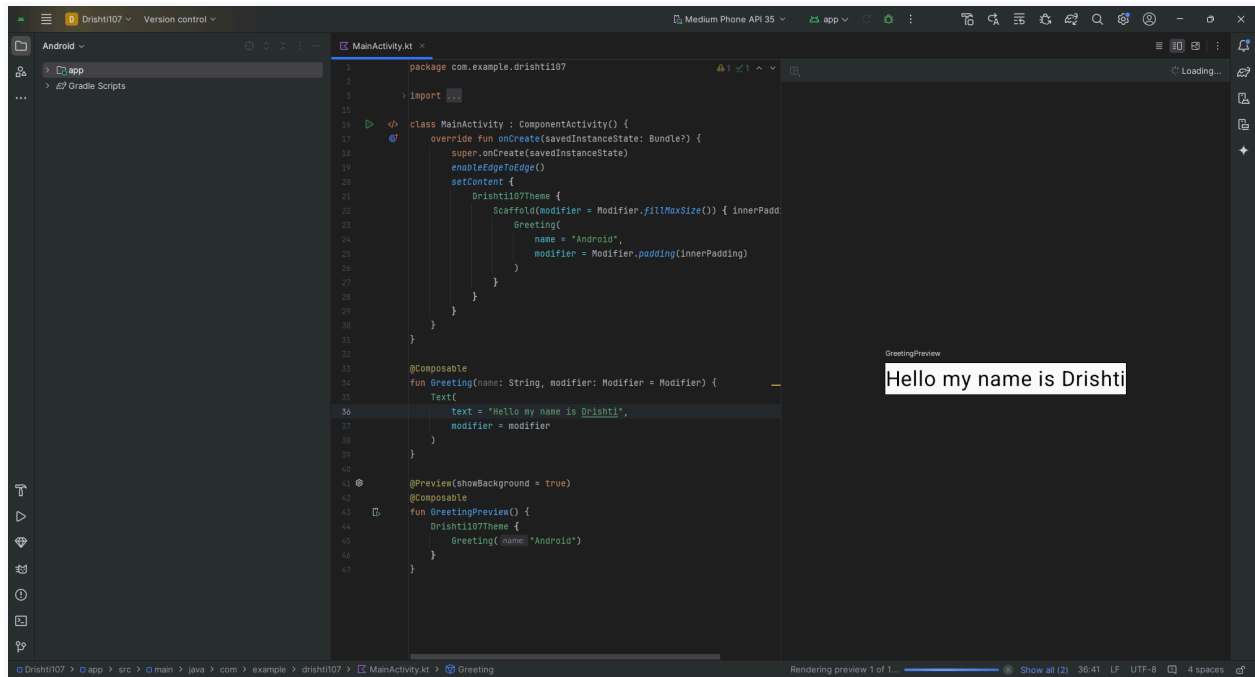
2. For “Hello my name s Drishti”

```

@Composable
fun Greeting(name: String, modifier: Modifier = Modifier) {
    Text(
        text = "Hello my name is Drishti",
        modifier = modifier
    )
}

```

Output :



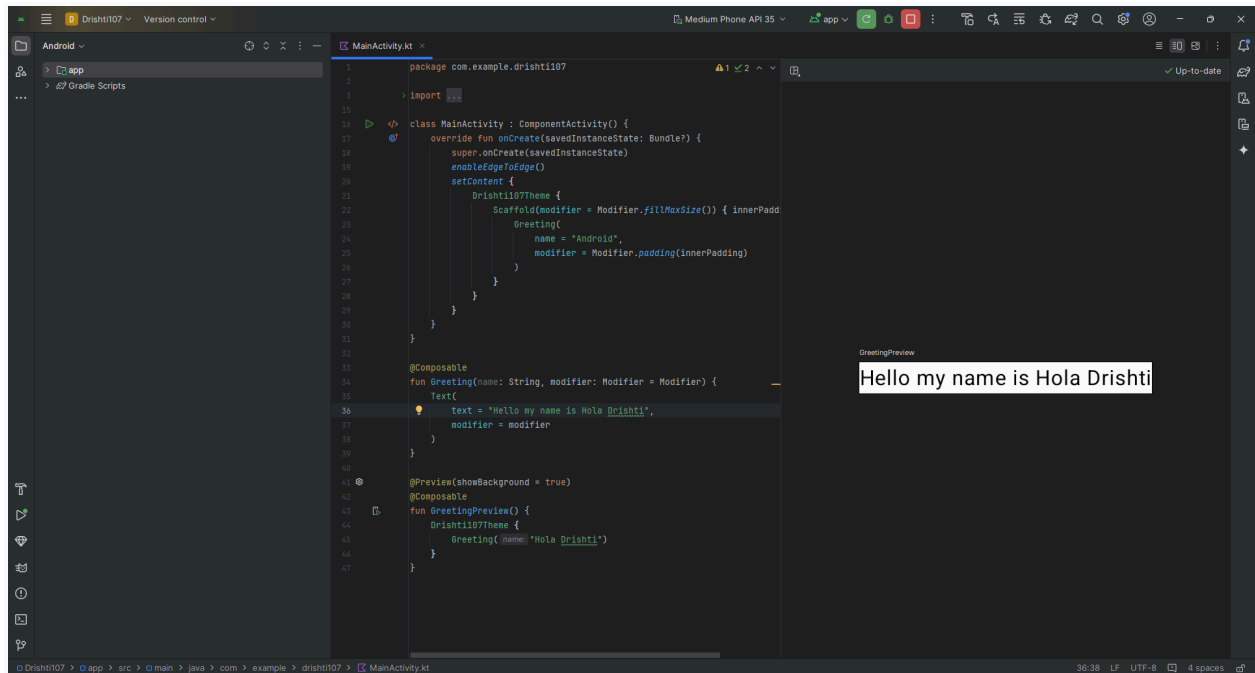
3. For “Hola Drishti”

```

@Preview(showBackground = true)
@Composable
fun GreetingPreview() {
    Drishti107Theme {
        Greeting("Hola Drishti")
    }
}

```

Output :



4. For “(color = Color.Yellow)”

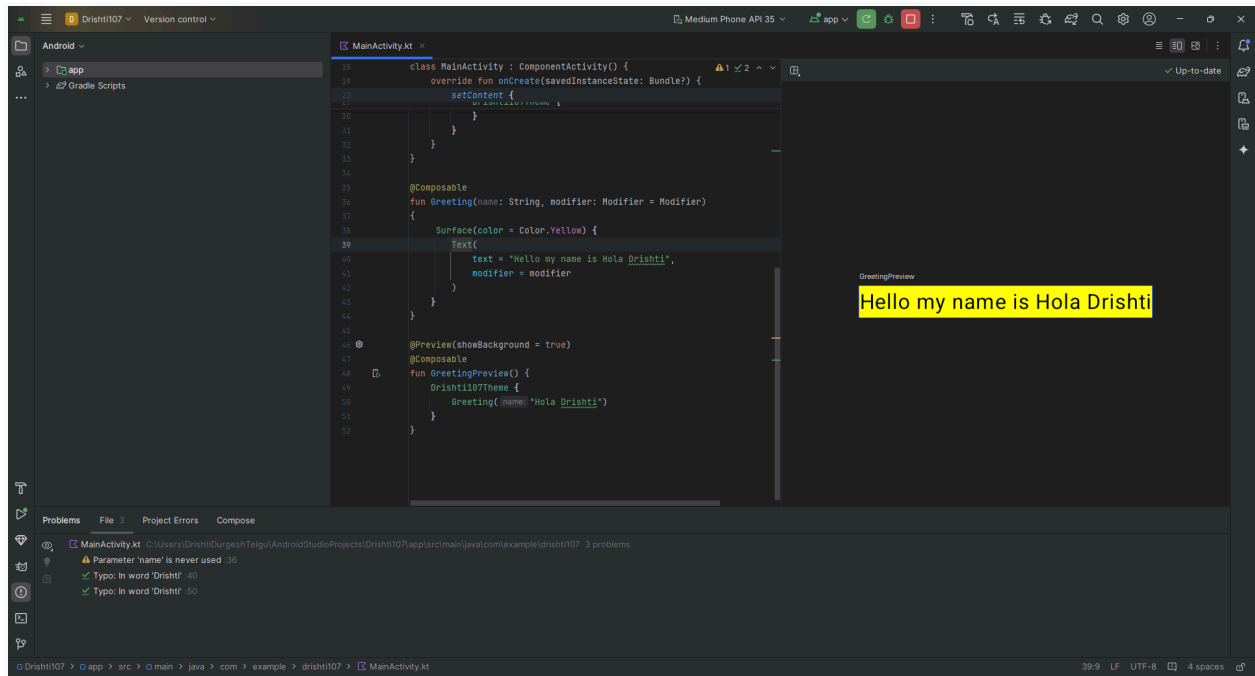
```

@Composable
fun Greeting(name: String, modifier: Modifier = Modifier)
{
    Surface(color = Color.Yellow) {
        Text(
            text = "Hello my name is Hola Drishti",
            modifier = modifier
        )
    }
}

@Preview(showBackground = true)
@Composable
fun GreetingPreview() {
    Drishti107Theme {
        Greeting("Hola Drishti")
    }
}

```

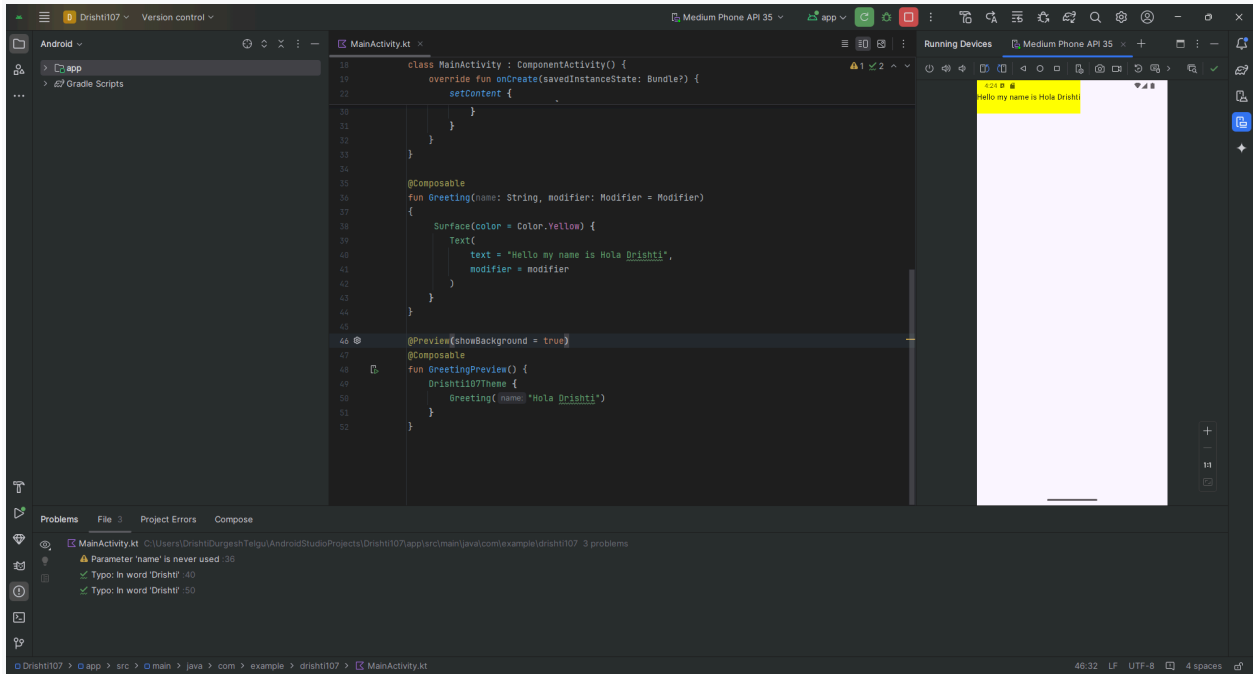
Output :



5. For “SurfaceView”

```
@Preview(showBackground = true)
@Composable
fun GreetingPreview() {
    Drishti107Theme {
        Greeting("Hola Drishti")
    }
}
```

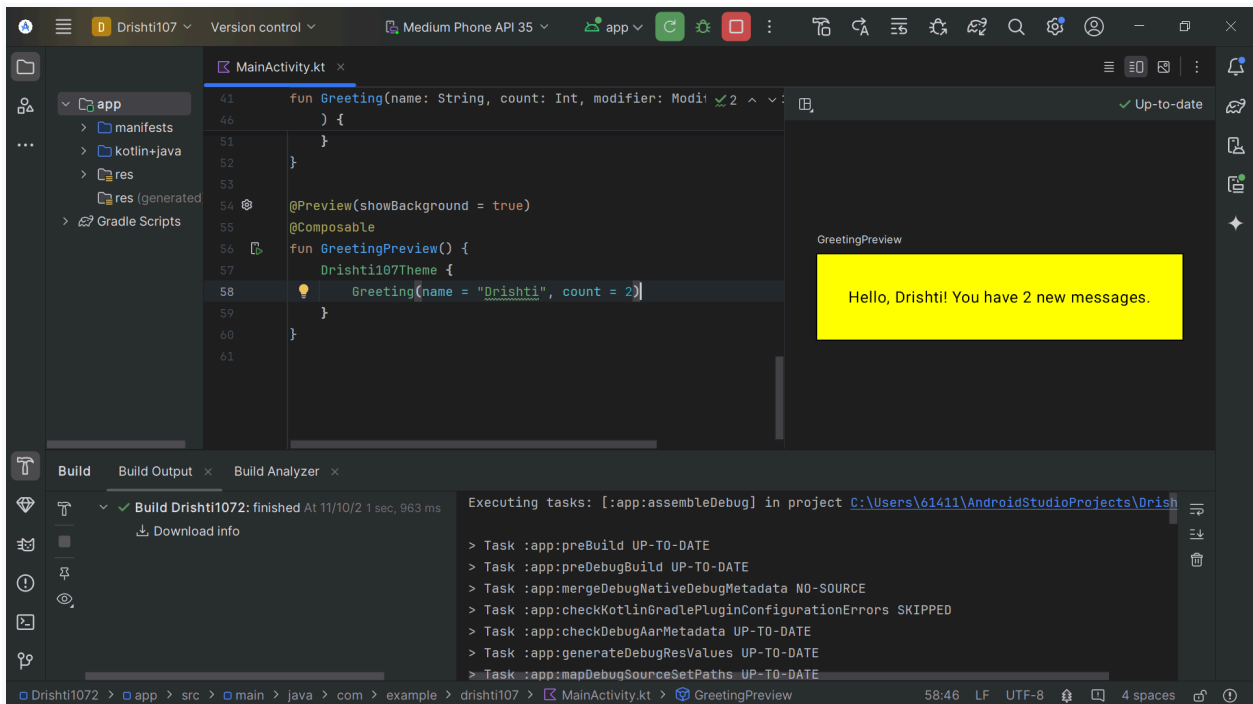
Output :



6. “Val count : Int = 2”

```
class MainActivity : ComponentActivity() {
    private val count: Int = 2 // Declare count here
```

Output :



7. Variable names

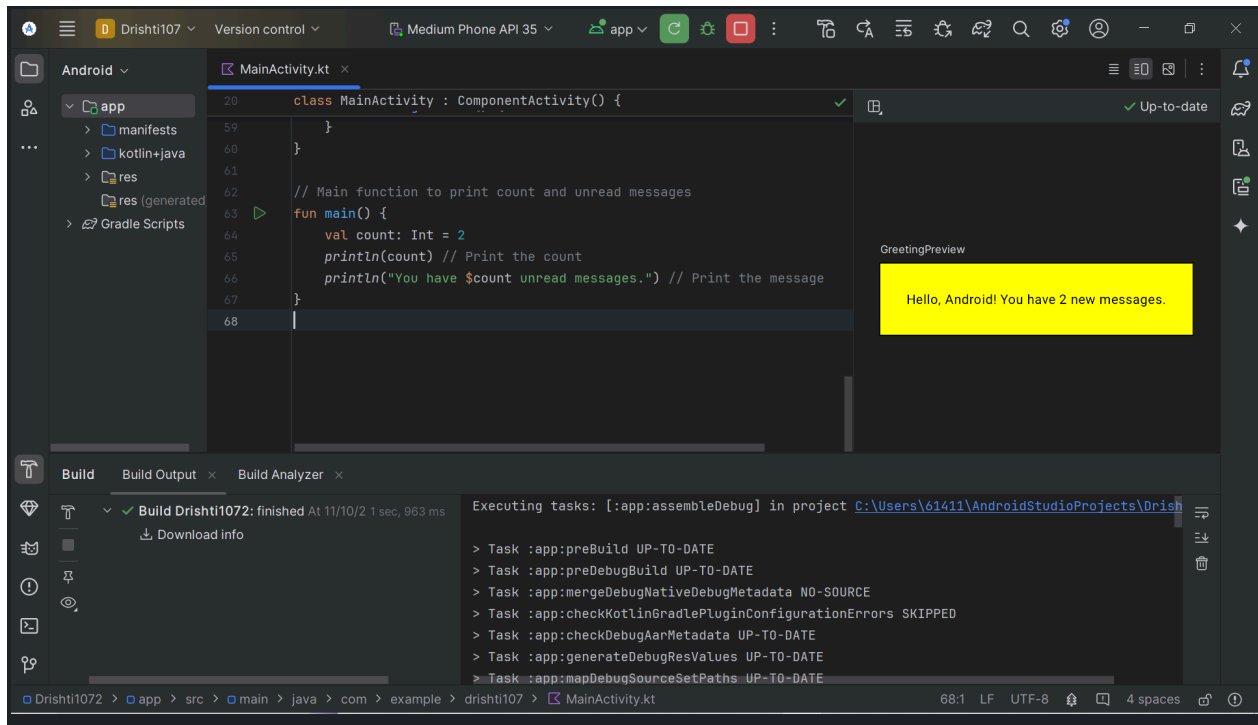
```
fun main() {
```

```

val count: Int = 2
println(count) // Print the count
println("You have $count unread messages.") // Print the message
}

```

Output :



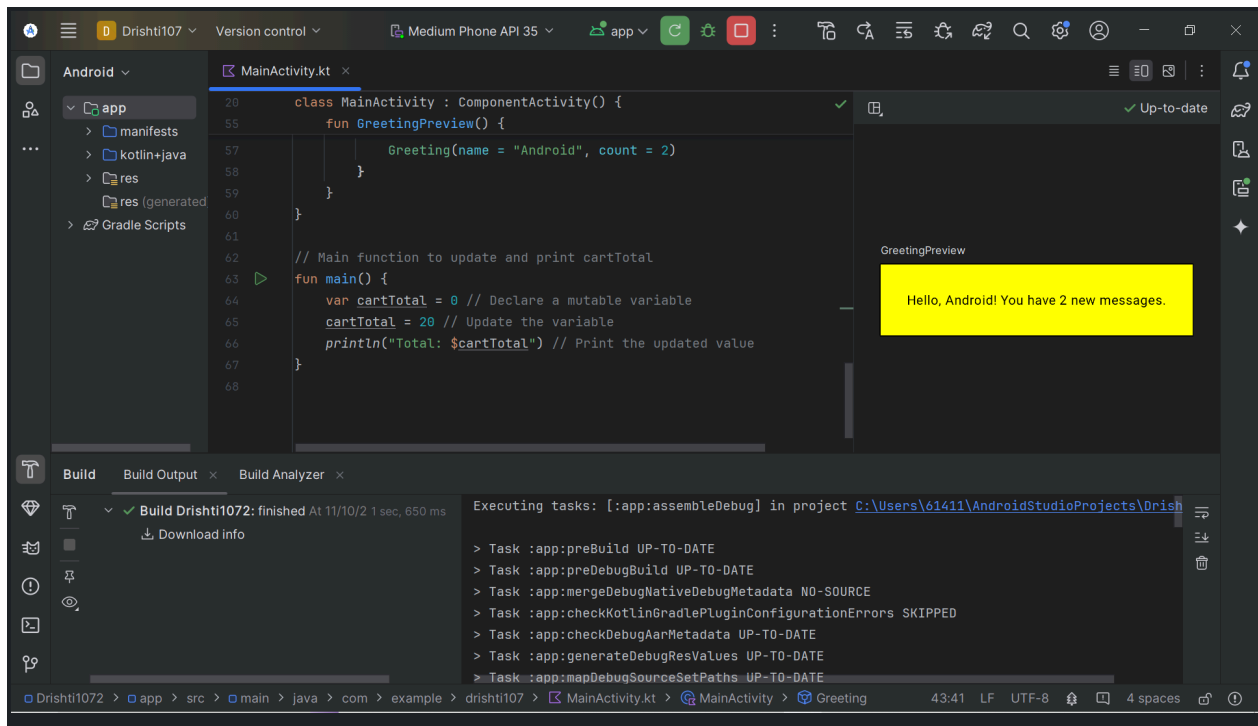
8. Compile error.

```

fun main() {
    var cartTotal = 0 // Declare a mutable variable
    cartTotal = 20 // Update the variable
    println("Total: $cartTotal") // Print the updated value
}

```

Output :



9. Update Variables

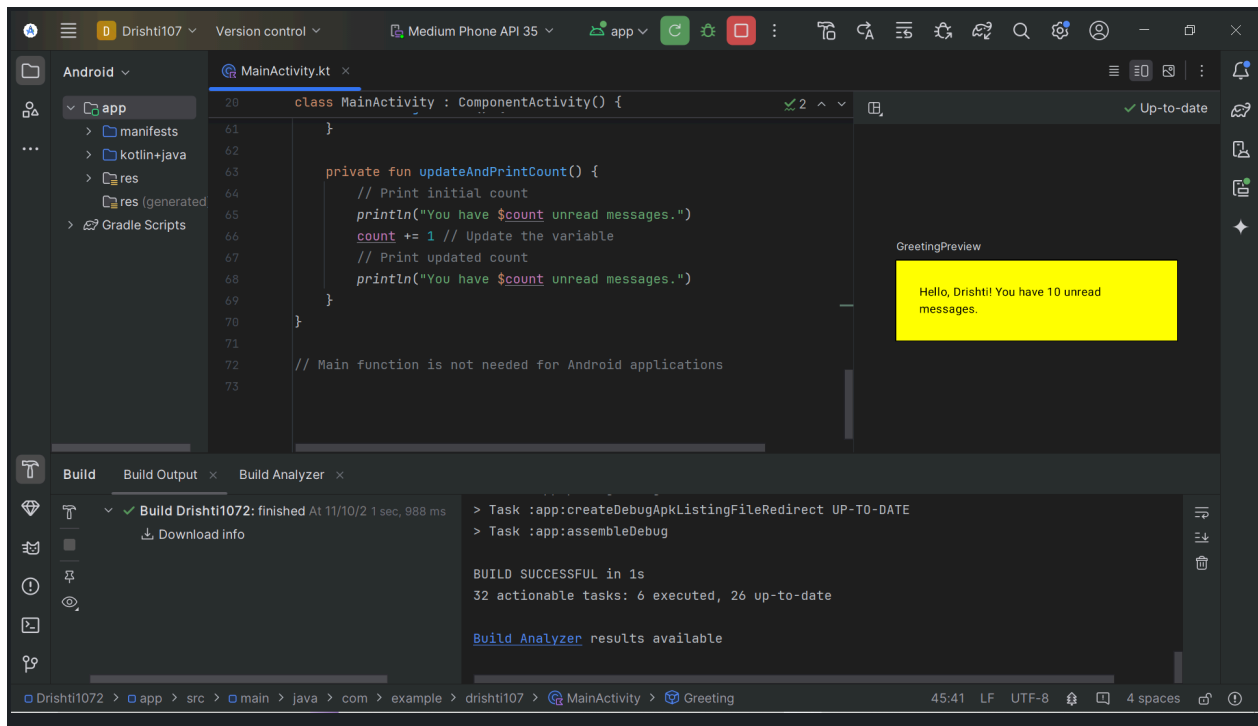
```

@Preview(showBackground = true)
@Composable
fun GreetingPreview() {
    Drishti107Theme {
        Greeting(name = "Drishti", count = 10)
    }
}

private fun updateAndPrintCount() {
    // Print initial count
    println("You have $count unread messages.")
    count += 1 // Update the variable
    // Print updated count
    println("You have $count unread messages.")
}

```

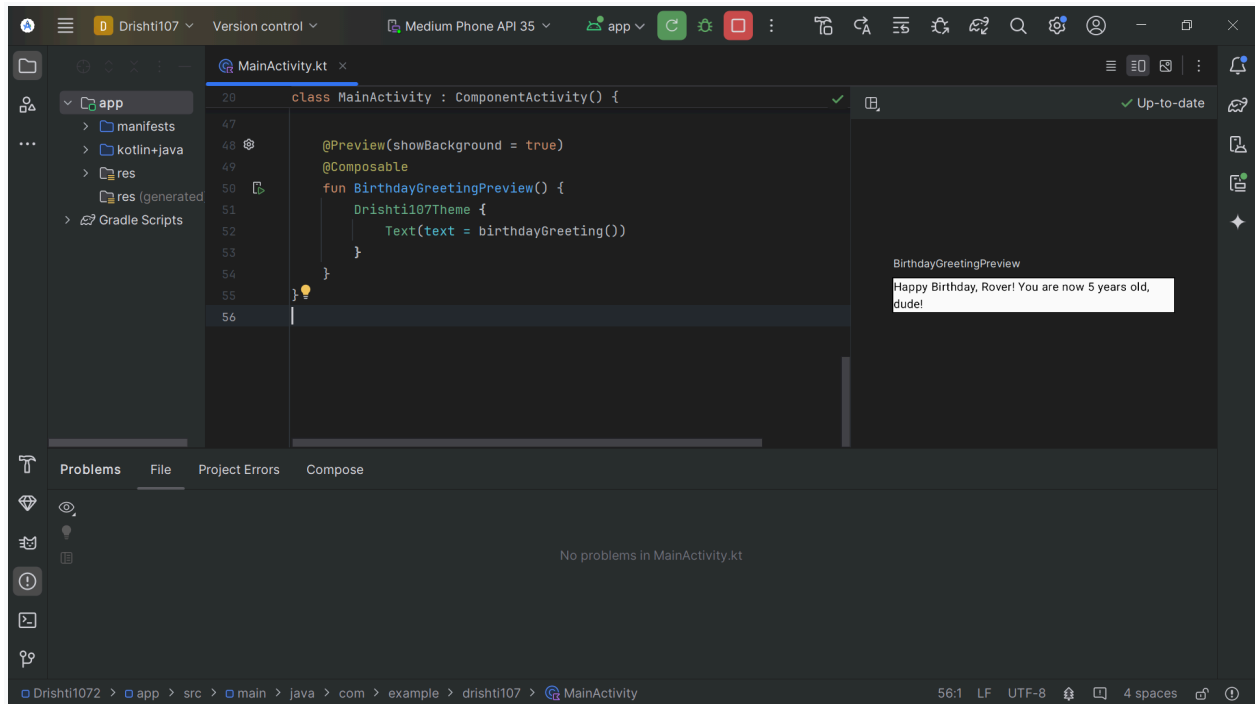
Output :



10. Return a value from a function .

```
private fun birthdayGreeting(): String {  
    val nameGreeting = "Happy Birthday, Rover!"  
    val ageGreeting = "You are now 5 years old, dude!"  
    return "$nameGreeting $ageGreeting"  
}  
  
@Preview(showBackground = true)  
@Composable  
fun BirthdayGreetingPreview() {  
    Drishti107Theme {  
        Text(text = birthdayGreeting())  
    }  
}
```

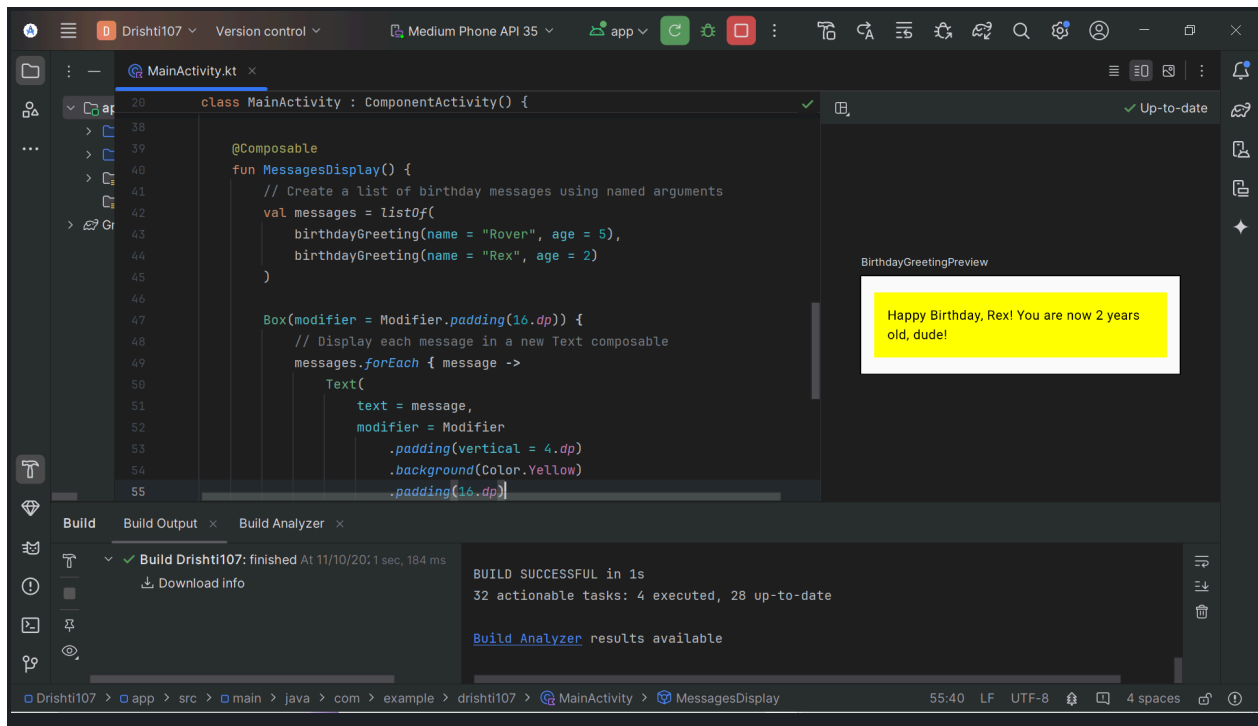
Output :



11. Named Argument.

```
@Composable
fun MessagesDisplay() {
    // Create a list of birthday messages using named arguments
    val messages = listOf(
        birthdayGreeting(name = "Rover", age = 5),
        birthdayGreeting(name = "Rex", age = 2)
    )
}
```

Output :



12. Fixing error in my code.

```
private fun birthdayGreeting(name: String, age: Int): String {  
    return "Today is sunny!"  
}  
  
@Composable  
fun MessagesDisplay() {  
    Box(modifier = Modifier.padding(16.dp)) {  
        // Display sunny message  
        Text(  
            text = "Today is sunny",  
            modifier = Modifier  
                .padding(vertical = 4.dp)  
                .background(Color.Yellow)  
                .padding(16.dp)  
        )  
    }  
}
```

Output :

