Week 3 – Android Application Development with Kotlin
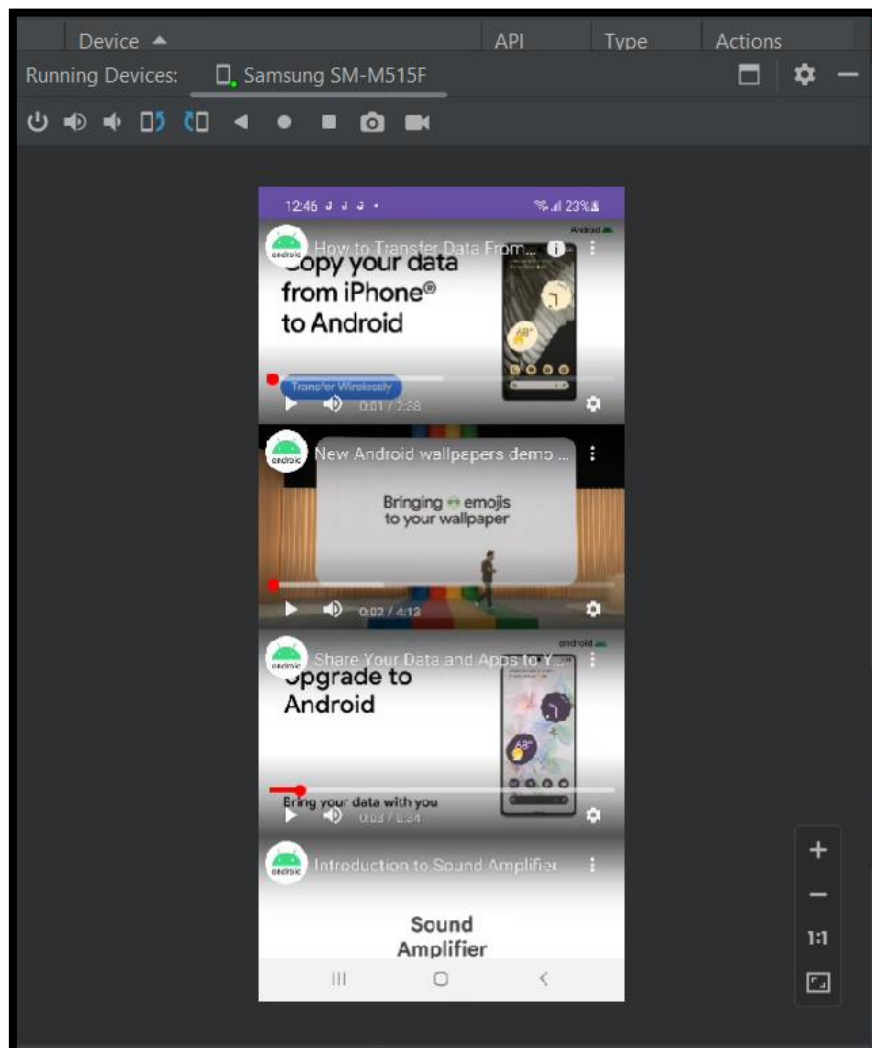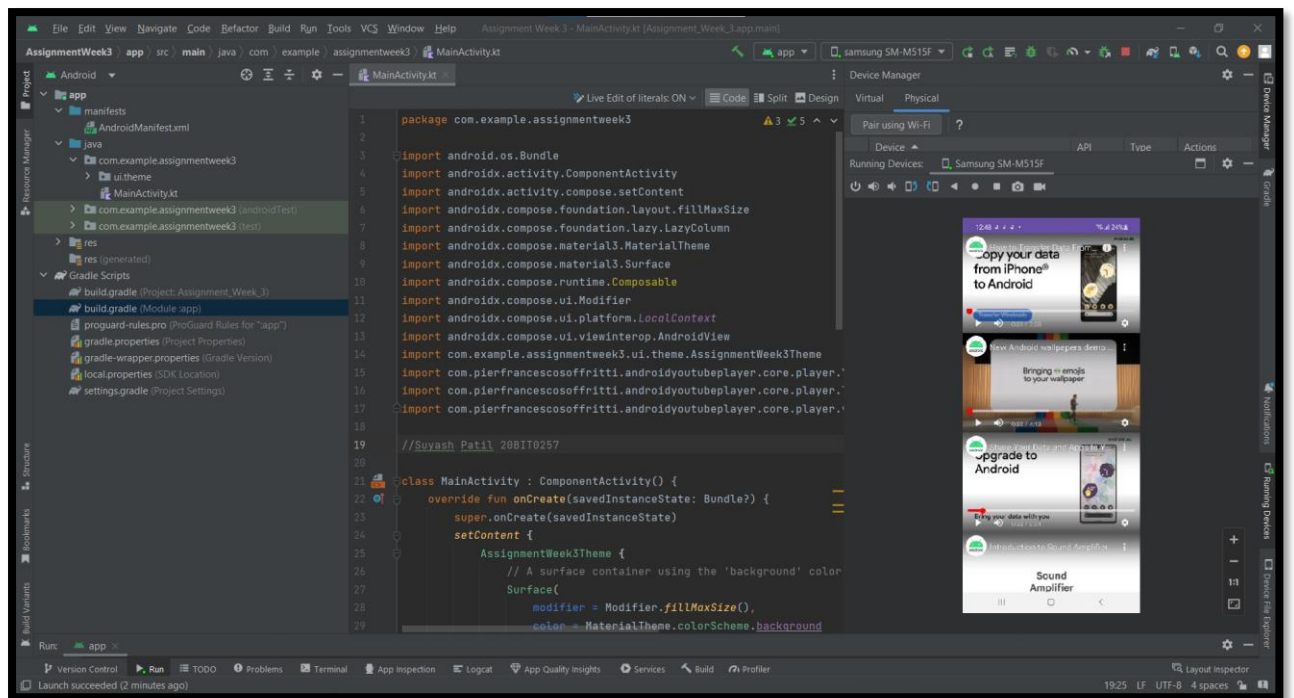
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YouTube Media Player Application:

CODE:

```kotlin
package com.example.assignmentweek3

import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.layout.fillMaxSize
import androidx.compose.foundation.lazy.LazyColumn
import androidx.compose.material3.MaterialTheme
import androidx.compose.material3.Surface
import androidx.compose.runtime.Composable
import androidx.compose.ui.Modifier
import androidx.compose.ui.platform.LocalContext
import androidx.compose.ui.viewinterop.AndroidView
import com.example.assignmentweek3.ui.theme.AssignmentWeek3Theme
import com.pierfrancescosoffritti.androidyoutubeplayer.core.player.YouTubePlayer
import com.pierfrancescosoffritti.androidyoutubeplayer.core.player.listeners.AbstractYouTubePlayerListener
import com.pierfrancescosoffritti.androidyoutubeplayer.core.player.views.YouTubePlayerView

//Suyash Patil 20BIT0257

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

```
            AssignmentWeek3Theme {
                // A surface container using the 'background' color from
the theme

                Surface(
                    modifier = Modifier.fillMaxSize(),
                    color = MaterialTheme.colorScheme.background
                ) {
                    Greeting()
                }
            }
        }
    }
}

@Composable
fun Greeting() {
    LazyColumn {
        item { YoutubeScreen(videoId = "npzb33v3koc") }
        item { YoutubeScreen(videoId = "l97ysAtXmDU") }
        item { YoutubeScreen(videoId = "gnKD7pPj-DI") }
        item { YoutubeScreen(videoId = "6Fknku1knmc") }
        item { YoutubeScreen(videoId = "lwnO0yfHmNA") }
    }
}

@Composable
fun YoutubeScreen(
    videoId: String
) {
    val ctx = LocalContext.current
    AndroidView(factory = {
        var view = YouTubePlayerView(it)
        val fragment = view.addYouTubePlayerListener(
            object : AbstractYouTubePlayerListener() {
                override fun onReady(youTubePlayer: YouTubePlayer) {
                    super.onReady(youTubePlayer)
                    youTubePlayer.loadVideo(videoId, 0f)
                }
            }
        )
        view
    })
}
```

Video Link:

https://drive.google.com/drive/folders/1F31LW-C3PTK_yKUtk0kVXzFxy0tWasJN?usp=sharing