

## Week -3

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### Code-

```
package com.example.vitap_20bcb7082
```

```
import android.os.Bundle import  
androidx.activity.ComponentActivity  
import androidx.activity.compose.setContent
```

```
import androidx.navigation.NavHostController import  
androidx.navigation.compose.rememberNavController  
import com.example.vitap_20bcr7082.ui.theme.Vitap20bcr7082Theme
```

```
class MainActivity : ComponentActivity() {    lateinit  
var navController: NavHostController    override fun  
onCreate(savedInstanceState: Bundle?) {  
    super.onCreate(savedInstanceState)  
        setContent {  
            Vitap20bcr7082Theme {                navController  
= rememberNavController()  
Setupnavgraph(navController = navController)  
  
        }  
    }  
}
```

### Homepage

```
import androidx.compose.foundation.background import  
androidx.compose.foundation.layout.Arrangement import  
androidx.compose.foundation.layout.Column import  
androidx.compose.foundation.layout.ExperimentalLayoutApi import  
androidx.compose.foundation.layout.fillMaxSize import  
androidx.compose.foundation.layout.fillMaxWidth import  
androidx.compose.foundation.layout.padding import  
androidx.compose.foundation.layout.size import  
androidx.compose.foundation.rememberScrollState import  
androidx.compose.foundation.verticalScroll import  
androidx.compose.material3.Button
```

```

import androidx.compose.material3.ExperimentalMaterial3Api
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.unit.dp
import androidx.compose.ui.unit.sp
import androidx.navigation.NavController

@OptIn(ExperimentalLayoutApi::class, ExperimentalMaterial3Api::class)
@Composable fun
Home(
    navController: NavController
){
    Column(
        verticalArrangement = Arrangement.Top,
        horizontalAlignment = Alignment.CenterHorizontally,
        modifier = Modifier
            .padding(20.dp)

            .fillMaxSize()
            .background(Color.White)
            .verticalScroll(rememberScrollState())

    ){
        Button(
            onClick = {
                navController.navigate(route = Scn.vid1.route)

            },
            modifier = Modifier
                .fillMaxWidth()
                .padding(12.dp)
                .size(width = 250.dp, height = 50.dp)

        ){
            Text(text = "Introduction to Android Studio", fontSize = 12.sp, color = Color.Black)

        }
        Button(
            onClick = {
                navController.navigate(route = Scn.vid2.route)

```

```

        },
        modifier = Modifier
        .fillMaxWidth()
        .padding(12.dp)
        .size(width = 250.dp, height = 50.dp)

    ) {
        Text(text = "Android development for beginners", fontSize = 12.sp, color =
Color.Black)

    }
    Button(
onClick = {
    navController.navigate(route = Scn.vid3.route)

},
        modifier = Modifier
        .fillMaxWidth()
        .padding(12.dp)
        .size(width = 250.dp, height = 50.dp)

    ) {
        Text(text = "Navigation video", fontSize = 12.sp, color = Color.Black)

    }
}
}

```

## Detail page1

```

import androidx.compose.foundation.background import
androidx.compose.foundation.layout.Arrangement import
androidx.compose.foundation.layout.Column import
androidx.compose.foundation.layout.Row import
androidx.compose.foundation.layout.fillMaxSize import
androidx.compose.foundation.layout.fillMaxWidth import
androidx.compose.foundation.layout.padding import
androidx.compose.foundation.rememberScrollState import
androidx.compose.foundation.verticalScroll import
androidx.compose.material3.Button 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.platform.LocalContext import
androidx.compose.ui.text.font.FontWeight import
androidx.compose.ui.unit.dp
import androidx.compose.ui.viewinterop.AndroidView
import androidx.navigation.NavController
import com.pierfrancescosoffritti.androidyoutubeplayer.core.player.YouTubePlayer import
com.pierfrancescosoffritti.androidyoutubeplayer.core.player.listeners.AbstractYouTubePlaye
rListener import
com.pierfrancescosoffritti.androidyoutubeplayer.core.player.views.YouTubePlayerView

```

```

@Composable fun
YoutubeScreen(
    videoId: String,navController: NavController
) {
    Column(
        verticalArrangement = Arrangement.Top,
horizontalAlignment = Alignment.CenterHorizontally,
modifier = Modifier
        .padding(20.dp)

        .fillMaxSize()
        .background(Color.White)
        .verticalScroll(rememberScrollState())

    ) {
        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
    })

    Button(
onClick = {

```

```

        navController.navigate(route = Scn.Home.route)
    { popUpTo(Scn.Home.route) { inclusive = true } }
    },
    modifier = Modifier
        .fillMaxWidth()
        .padding(20.dp)

    )
    {
        Text(text = "Back", fontWeight = FontWeight.Bold)
    }
}
}

```

## Detail page2

```

import androidx.compose.foundation.background import
import androidx.compose.foundation.layout.Arrangement import
import androidx.compose.foundation.layout.Column import
import androidx.compose.foundation.layout.Row import
import androidx.compose.foundation.layout.fillMaxSize import
import androidx.compose.foundation.layout.fillMaxWidth import
import androidx.compose.foundation.layout.padding import
import androidx.compose.foundation.rememberScrollState import
import androidx.compose.foundation.verticalScroll import
import androidx.compose.material3.Button import
import androidx.compose.material3.Text import
import androidx.compose.runtime.Composable 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.text.font.FontWeight import
import androidx.compose.ui.unit.dp
import androidx.compose.ui.viewinterop.AndroidView import
import androidx.navigation.NavController
import com.pierfrancescosoffritti.androidyoutubeplayer.core.player.YouTubePlayer import
import com.pierfrancescosoffritti.androidyoutubeplayer.core.player.listeners.AbstractYouTubePlayer
import com.pierfrancescosoffritti.androidyoutubeplayer.core.player.views.YouTubePlayerView

@Composable fun
YoutubeScreen1(
    videoId: String,navController: NavController

```

```

) {
    Column(
        verticalArrangement = Arrangement.Top,
        horizontalAlignment = Alignment.CenterHorizontally,
        modifier = Modifier
            .padding(20.dp)

            .fillMaxSize()
            .background(Color.White)
            .verticalScroll(rememberScrollState())

    ) {
        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
        })

        Button(onClick = { navController.navigate(route=Scn.Home.route)
            {popUpTo(Scn.Home.route){ inclusive=true} } },
            modifier = Modifier .fillMaxWidth()
            .padding(20.dp)

        )
        {
            Text(text = "Back", fontWeight = FontWeight.Bold)
        }
    }
}

```

## Detail page3

```

import androidx.compose.foundation.background import
import androidx.compose.foundation.layout.Arrangement import
import androidx.compose.foundation.layout.Column import
import androidx.compose.foundation.layout.Row import
import androidx.compose.foundation.layout.fillMaxSize import
import androidx.compose.foundation.layout.fillMaxWidth import

```

```

androidx.compose.foundation.layout.padding import
androidx.compose.foundation.rememberScrollState import
androidx.compose.foundation.verticalScroll import
androidx.compose.material3.Button 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.platform.LocalContext
import androidx.compose.ui.text.font.FontWeight import
androidx.compose.ui.unit.dp
import androidx.compose.ui.viewinterop.AndroidView import
androidx.navigation.NavController
import com.pierfrancescosoffritti.androidyoutubeplayer.core.player.YouTubePlayer import
com.pierfrancescosoffritti.androidyoutubeplayer.core.player.listeners.AbstractYouTubePlaye
rListener import
com.pierfrancescosoffritti.androidyoutubeplayer.core.player.views.YouTubePlayerView

```

```

@Composable fun
YoutubeScreen2(
    videoId: String,navController: NavController
) {
    Column(
        verticalArrangement = Arrangement.Top,
horizontalAlignment = Alignment.CenterHorizontally,
modifier = Modifier
        .padding(20.dp)

        .fillMaxSize()
        .background(Color.White)
        .verticalScroll(rememberScrollState())

    ) {
        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
})

```

```

        Button(onClick = { navController.navigate(route=Scn.Home.route)
            {popUpTo(Scn.Home.route){ inclusive=true} } },
            modifier = Modifier
                .fillMaxWidth()
                .padding(20.dp)

        )
    {
        Text(text = "Back", fontWeight = FontWeight.Bold)
    }
}
}

```

## Nav

```

import androidx.compose.runtime.Composable import
import androidx.lifecycle.viewmodel.compose.viewModel
import androidx.navigation.NavHost import
import androidx.navigation.NavHostController import
import androidx.navigation.compose.NavHost
import androidx.navigation.compose.composable

```

### @Composable

```

fun Setupnavgraph(navController: NavHostController){

    NavHost(navController = navController, startDestination = Scn.Home.route)
    {
        composable(
            route=Scn.vid1.route
        ){
            YoutubeScreen("NCoekcDxbrI",navController)
        }
        composable(
            route=Scn.vid2.route
        ){
            YoutubeScreen1("fis26HvvDII",navController)
        }

        composable(
            route=Scn.Home.route
        ){
            Home(navController)
        }
    }
}

```



```

    }
    composable(
        route=Scn.vid3.route,

    ){

        YoutubeScreen2("ft0yVPmecsI",navController)
    }
}

```

## Screen

```

sealed class Scn(val route: String) {

    object Home : Scn(route = "home_Screen")
    object vid1 : Scn(route = "Vid1_Screen")    object
    vid2 : Scn(route = "Vid2_Screen")    object vid3 :
    Scn(route = "Vid3_Screen")

}

```

## Output

3:40

3.00 KB/S VoLTE R+ R+ 52

Introduction to Android Studio

Android development for beginners

Navigation video

3:40



Introduction to Android...




Introduction to  
Android Studio





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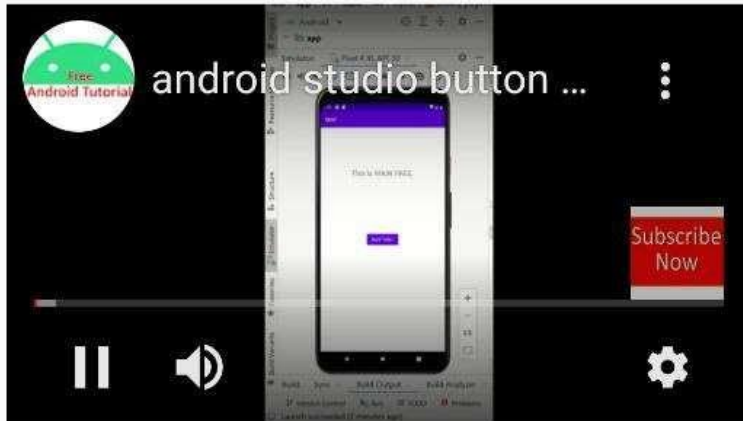


• Course Introduction



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