Week -3

Name-Sidhartha Singh

Reg.no-20bcb7043

Code-

```
package com.example.vitap_20bcb7043

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_20bcb7043.ui.theme.Vitap20bcb7043Theme


class MainActivity : ComponentActivity() {
    lateinit var navController: NavHostController
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            Vitap20bcb7043Theme {
                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 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 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 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 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 androidx.lifecycle.viewmodel.compose.viewModel
import androidx.navigation.NavHost
import androidx.navigation.NavHostController
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)
    }
  }
}
```

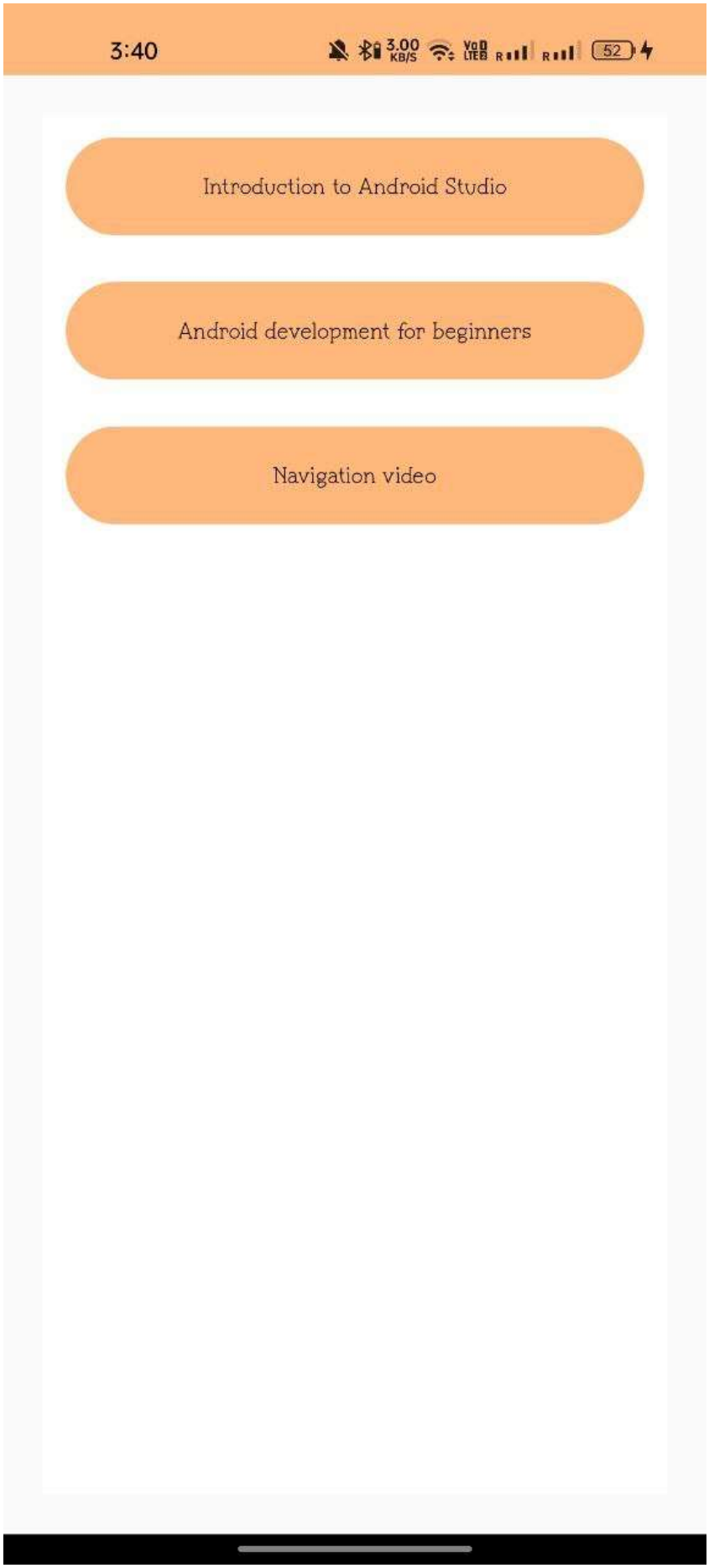
Screen

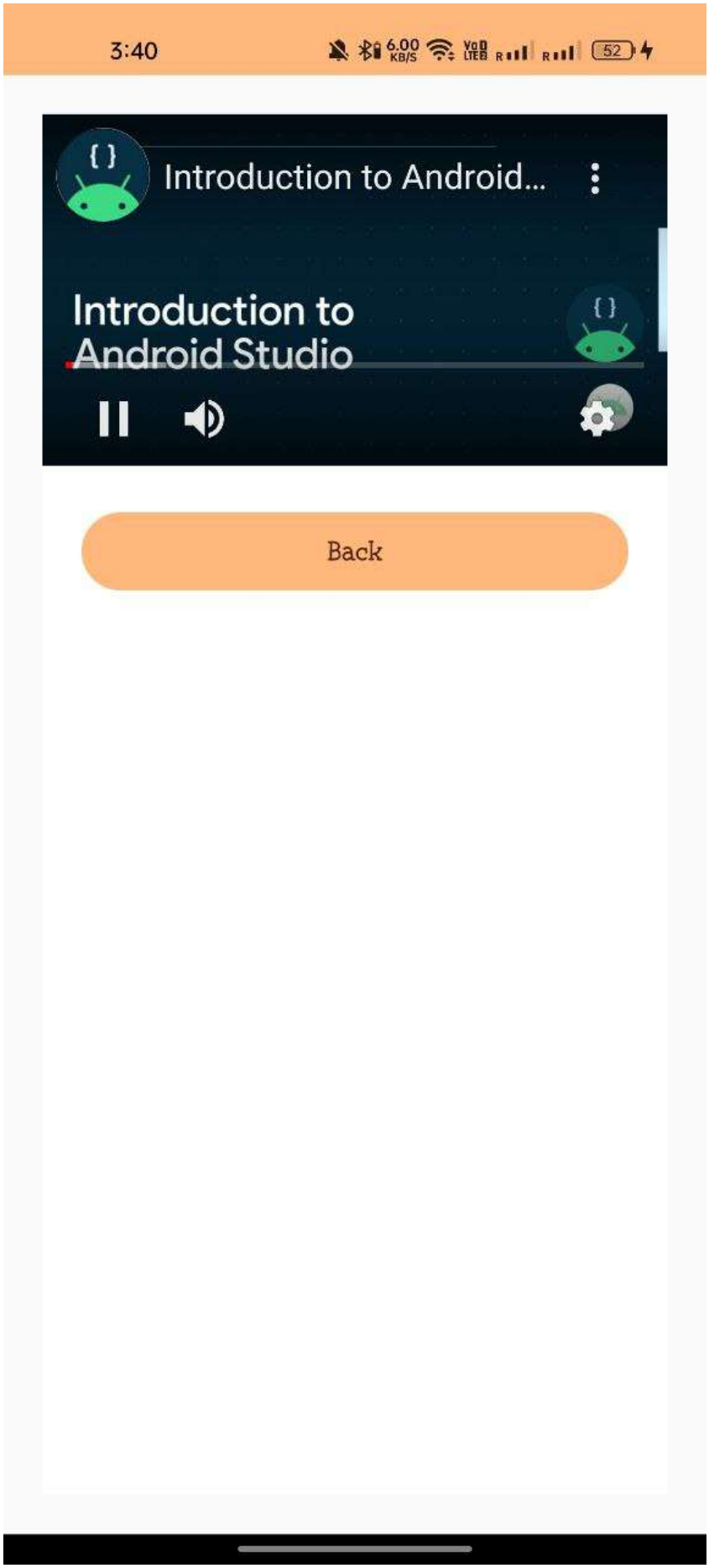
```
sealed class Scn(val route: String) {

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

}
```

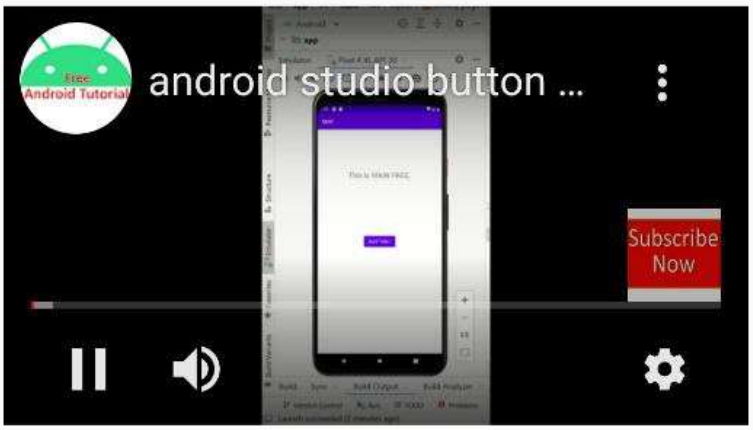
Output


3:40
3.00 KB/S
Introduction to Android Studio
Android development for beginners
Navigation video


3:40
Introduction to Android...
Introduction to
Android Studio
Back

Android Developm...
Meisam
Professional Android Developer
Course Introduction

Back



Back