**Assignment 3**

**Code :**

* activity\_main.xml

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout

xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:padding="16dp"

android:background="#F5F5F5">

<TextView

android:layout\_marginTop="20dp"

android:id="@+id/textView1"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:padding="12dp"

android:text="@string/label\_one"

android:textSize="18sp"

android:textColor="#424242"

android:layout\_marginBottom="8dp" />

<TextView

android:id="@+id/textView2"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:padding="12dp"

android:text="@string/label\_two"

android:textSize="18sp"

android:textColor="#424242"

android:layout\_marginBottom="8dp" />

<TextView

android:id="@+id/textView3"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:padding="12dp"

android:text="@string/label\_three"

android:textSize="18sp"

android:textColor="#424242"

android:layout\_marginBottom="8dp" />

<TextView

android:id="@+id/textView4"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:padding="12dp"

android:text="@string/label\_four"

android:textSize="18sp"

android:textColor="#424242"

android:layout\_marginBottom="8dp" />

<TextView

android:id="@+id/textView5"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:padding="12dp"

android:text="@string/label\_five"

android:textSize="18sp"

android:textColor="#424242"

android:layout\_marginBottom="24dp" />

<Button

android:id="@+id/buttonNavigate"

android:layout\_width="match\_parent"

android:layout\_height="62dp"

android:backgroundTint="#64B5F6"

android:text="Go to Screen Two"

android:textColor="#FFFFFF"

android:textSize="20sp" />

</LinearLayout>

* MainActivity.kt

package com.example.assignment3

import android.content.Intent

import android.os.Bundle

import android.widget.Button

import androidx.activity.enableEdgeToEdge

import androidx.appcompat.app.AppCompatActivity

import androidx.core.view.ViewCompat

import androidx.core.view.WindowInsetsCompat

class MainActivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main)

val buttonNavigate: Button = findViewById(R.id.buttonNavigate)

buttonNavigate.setOnClickListener {

// Passing data to SecondActivity

val intent = Intent(this, SecondActivity::class.java)

intent.putExtra("string1", getString(R.string.label\_one))

intent.putExtra("string2", getString(R.string.label\_two))

intent.putExtra("string3", getString(R.string.label\_three))

intent.putExtra("string4", getString(R.string.label\_four))

intent.putExtra("string5", getString(R.string.label\_five))

intent.putExtra("booleanValue", true)

intent.putExtra("intValue", 42)

intent.putExtra("floatValue", 3.14f)

startActivity(intent)

}

}

}

* activity\_second.xml

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout

xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:padding="16dp"

android:background="#E3F2FD">

<TextView

android:id="@+id/textViewData"

android:layout\_marginTop="30dp"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:padding="16dp"

android:textSize="18sp"

android:textColor="#424242"

android:layout\_marginBottom="24dp"

android:background="#FFFFFF" />

<Button

android:id="@+id/buttonNext"

android:layout\_width="309dp"

android:layout\_height="65dp"

android:layout\_gravity="center"

android:backgroundTint="#FF9800"

android:text="Go to Screen Three"

android:textColor="#FFFFFF"

android:textSize="20sp" />

</LinearLayout>

* SecondActivity.kt

package com.example.assignment3

import android.content.Intent

import android.os.Bundle

import android.util.Log

import android.widget.Button

import android.widget.TextView

import androidx.activity.enableEdgeToEdge

import androidx.appcompat.app.AppCompatActivity

import androidx.core.view.ViewCompat

import androidx.core.view.WindowInsetsCompat

class SecondActivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_second)

val textViewData: TextView = findViewById(R.id.textViewData)

val buttonNext: Button = findViewById(R.id.buttonNext)

// Retrieve data from intent

val string1 = intent.getStringExtra("string1")

val string2 = intent.getStringExtra("string2")

val string3 = intent.getStringExtra("string3")

val string4 = intent.getStringExtra("string4")

val string5 = intent.getStringExtra("string5")

val booleanValue = intent.getBooleanExtra("booleanValue", false)

val intValue = intent.getIntExtra("intValue", 0)

val floatValue = intent.getFloatExtra("floatValue", 0.0f)

// Combine data into one string

val data = """

$string1

$string2

$string3

$string4

$string5

Boolean: $booleanValue

Integer: $intValue

Float: $floatValue

""".trimIndent()

textViewData.text = data

Log.d("SecondActivity", data)

buttonNext.setOnClickListener {

val finalData = "Final Data: $data"

val intent = Intent(this, ThirdActivity::class.java)

intent.putExtra("finalData", finalData)

startActivity(intent)

}

}

}

* activity\_third.xml

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout

xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:padding="16dp"

android:background="#F5F5F5">

<TextView

android:id="@+id/finalTextView"

android:layout\_marginTop="30dp"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:padding="16dp"

android:textSize="20sp"

android:textColor="#424242"

android:background="#FFFFFF" />

</LinearLayout>

* ThirdActivity.kt

package com.example.assignment3

import android.os.Bundle

import android.widget.TextView

import androidx.activity.enableEdgeToEdge

import androidx.appcompat.app.AppCompatActivity

import androidx.core.view.ViewCompat

import androidx.core.view.WindowInsetsCompat

class ThirdActivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_third)

val finalTextView: TextView = findViewById(R.id.finalTextView)

val finalData = intent.getStringExtra("finalData")

finalTextView.text = finalData

}

}

* strings.xml

<resources>  
 <string name="app\_name">Exploring Kotlin</string>  
 <string name="label\_one">Welcome to MainActivity!</string>  
 <string name="label\_two">Explore Android Development.</string>  
 <string name="label\_three">Beautiful User Interfaces.</string>  
 <string name="label\_four">Kotlin is Fun!</string>  
 <string name="label\_five">Start Your Journey Today!</string>  
</resources>

**OUTPUT :**



