Mobile Programming
Namratha Jagadeesh 1199011

Question 3: Create an app on your choice of topic that uses an activity that calls the previous two apps and sends data using putExtra.

MainActivity.kt

```kotlin
package com.example.launcherapp

import android.content.Intent
import android.os.Bundle
import android.widget.Button
import android.widget.EditText
import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {

    private lateinit var inputText: EditText
    private lateinit var buttonApp1: Button
    private lateinit var buttonApp2: Button

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        inputText = findViewById(R.id.inputText)
        buttonApp1 = findViewById(R.id.buttonApp1)
        buttonApp2 = findViewById(R.id.buttonApp2)

        buttonApp1.setOnClickListener {
            val text = inputText.text.toString()
            val intent = Intent()
            intent.setClassName("com.example.mykotlinapp",
"com.example.mykotlinapp.MainActivity")
            intent.putExtra("EXTRA_TEXT", text)
            startActivity(intent)
        }

        buttonApp2.setOnClickListener {
            val text = inputText.text.toString()
            val intent = Intent()
            intent.setClassName("com.example.myapplication",
"com.example.myapplication.MainActivity")
            intent.putExtra("EXTRA_TEXT", text)
            startActivity(intent)
        }
    }
```

```
}
```

Activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#90D5DE"
    android:orientation="vertical"
    android:padding="16dp"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/inputText"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="#AF9672"
        android:hint="Enter text" />

    <Button
        android:id="@+id/buttonApp1"
        android:layout_width="165dp"
        android:layout_height="wrap_content"
        android:background="#CDDC39"
        android:layout_gravity="center"
        android:text="Calculator app" />
    <Button
        android:id="@+id/buttonApp2"
        android:layout_gravity="center"
        android:layout_width="174dp"
        android:layout_height="wrap_content"
        android:text="Fitness app" />
</LinearLayout>
```

OUTPUTS:

Add Workout

Received: hello

Running

Save Workout

MyKotlinApp

4

5

add ▾

CALCULATE

Result is 9.0

Received: hello