Prof : Dr Sundar,

Subject : 23MX27(Mobile Application Development

Student : Lt Col T V Perumal(Retd)

Exercise 1, Qsn1

package com.example.ps1qsn1

import android.media.Image

import androidx.appcompat.app.AppCompatActivity

import android.os.Bundle

import android.widget.Button

import android.widget.ImageView

import android.widget.TextView

class MainActivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main)

val btn1 = findViewById<Button>(R.id.btn1)

val imgV1 = findViewById<ImageView>(R.id.imgV1)

val txtV1 =findViewById<TextView>(R.id.txtV1)

btn1.setOnClickListener({onBtnClick(imgV1, btn1)})

}

fun onBtnClick(imgV : ImageView, btn : Button)

{

btn.text = "I am so full"

imgV.setImageResource(R.drawable.smiley2)

}

}

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

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

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

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

tools:context=".MainActivity">

<TextView

android:id="@+id/txtV1"

android:layout\_width="232dp"

android:layout\_height="46dp"

android:text="My Temperature converter"

android:textAlignment="textStart"

android:textSize="16sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

<Space

android:layout\_width="match\_parent"

android:layout\_height="15dp" />

<TextView

android:id="@+id/txtV2"

android:layout\_width="239dp"

android:layout\_height="47dp"

android:text="Enter Fahrenheit Temp below"

android:textSize="16sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

<Space

android:layout\_width="match\_parent"

android:layout\_height="15dp" />

<EditText

android:id="@+id/edTxt1"

android:layout\_width="230dp"

android:layout\_height="wrap\_content"

android:ems="10"

android:inputType="numberDecimal" />

<Space

android:layout\_width="match\_parent"

android:layout\_height="15dp" />

<TextView

android:id="@+id/txtV3"

android:layout\_width="239dp"

android:layout\_height="47dp"

android:text="Enter Celsius Temp below"

android:textSize="16sp" />

<EditText

android:id="@+id/edTxt2"

android:layout\_width="230dp"

android:layout\_height="wrap\_content"

android:ems="10"

android:inputType="numberDecimal" />

<Space

android:layout\_width="match\_parent"

android:layout\_height="30dp" />

<Button

android:id="@+id/btn1"

android:layout\_width="220dp"

android:layout\_height="77dp"

android:text="Convert temperature" />

<Space

android:layout\_width="match\_parent"

android:layout\_height="25dp" />

<TextView

android:id="@+id/txtV4"

android:layout\_width="232dp"

android:layout\_height="47dp"

android:text="TextView" />

</LinearLayout>