IMAD 511

CODE

**CODE 1**

package com.example.assigmentimad2  
  
import android.content.Intent  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import android.widget.Button  
import androidx.activity.enableEdgeToEdge  
  
class MainActivity : AppCompatActivity() {  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 enableEdgeToEdge()  
 setContentView(R.layout.activity\_main)  
 val next =findViewById<Button>(R.id.btnNext)  
 next.setOnClickListener{  
 val intent = Intent(this,MainActivity::class.java)  
 startActivity(intent)  
 }  
 }  
}

**CODE 2**

package com.example.assigmentimad2  
  
import android.annotation.SuppressLint  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import android.view.animation.AlphaAnimation  
import android.widget.Button  
import android.widget.EditText  
import android.widget.ImageView  
import com.example.assigmentimad2.R.\*  
  
class MainActivity2 : AppCompatActivity() {  
 private var petHealth = 100  
 private var petHunger = 50  
 private var petCleaniness= 50  
  
 @SuppressLint("MissingInflatedId")  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(layout.*activity\_main2*)  
  
 //Get the buttons and text values  
 val btnFeed = findViewById<Button>(R.id.*btnFeed*)  
 val btnclean = findViewById<Button>(id.*btnClean*)  
 val btnHappy = findViewById<Button>(R.id.*btnHappy*)  
 val txtHunger = findViewById<EditText>(R.id.*txtHunger*)  
 val txtClean = findViewById<EditText>(R.id.*txtClean*)  
 val txtHappy = findViewById<EditText>(R.id.*txtHappy*)  
 val petimage = findViewById<ImageView>(R.id.*petimage*)  
  
 //set the initial text values  
 txtHunger.setText(petHunger.toString())  
 txtClean.setText(petCleaniness.toString())  
 txtHappy.setText(petHealth.toString())  
  
 //Handle button clicks  
 btnFeed.setOnClickListener **{** petHunger -= 10  
 petHealth += 10  
 petHunger += 5  
 txtHunger.setText(petHealth.toString())  
 animateImageChange(petimage, drawable.*hungrydog*)  
  
 **}** btnclean.setOnClickListener **{** petCleaniness += 10  
 petHealth += 10  
  
 txtClean.setText(petCleaniness.toString())  
 animateImageChange(petimage, drawable.*cleandog*)  
  
 **}** btnHappy.setOnClickListener **{** petHealth += 10  
 petHunger += 5  
 petCleaniness -= 5  
 txtHappy.setText(petimage.toString())  
 animateImageChange(petimage, drawable.*happydog*)  
 **}** }  
 private fun animateImageChange(imageView: ImageView, newImageResource: Int) {  
 val animation = AlphaAnimation(0.0f, 1.0f)  
 animation.*duration*= 500  
 animation. *fillAfter* = true  
 imageView.startAnimation(animation)  
 imageView.setImageResource(newImageResource)  
 }  
  
  
  
  
}