Android app development-SmartInternz (Assignment-2)

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Code:

MainAcivity.kt:

```kotlin
package com.example.rolldice

import android.annotation.SuppressLint
import android.os.Bundle
import android.os.PersistableBundle
import android.widget.Button
import android.widget.ImageView
import android.widget.TextView
import android.widget.Toast
import androidx.activity.ComponentActivity
import java.util.Random
import java.util.*

class MainActivity1 : ComponentActivity() {
    private lateinit var resultTextView: TextView
    lateinit var diceImage: ImageView
    private lateinit var rollButton: Button

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

        resultTextView = findViewById(R.id.resultTextView)
        rollButton = findViewById(R.id.rollButton)
        rollButton.text = getString(R.string.let_roll)

        rollButton.setOnClickListener {
            rollDice()
        }

        diceImage = findViewById(R.id.dice_image)
    }

    private fun rollDice() {
        val random = Random()
        val randomNumber = random.nextInt(6) + 1
        //val resultText = "You rolled a $randomNumber"
        //resultTextView.text = resultText
        val drawableResource = when (randomNumber) {
            1 -> R.drawable.face1
            2 -> R.drawable.face2
```

```
                3 -> R.drawable.face3
                4 -> R.drawable.face4
                5 -> R.drawable.face5
                else -> R.drawable.face6
            }
        diceImage.setImageResource(drawableResource)
    }
}
```

activity_main.xml

```xml
<?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:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_gravity="center"
    tools:context=".MainActivity">



    <TextView
        android:id="@+id/resultTextView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="16dp"
        android:text="result will be shown here"
        android:textColor="#851498"
        android:textSize="18sp" />

    <Button
        android:id="@+id/rollbutton2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Roll"
        android:textColor="#BC2828"
        android:textSize="18sp" />

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="423dp"
        android:layout_height="147dp"
        tools:src="@drawable/dice5" />
```