

ASSIGNMENT 2

MAIN ACTIVITY CODE:

```
package com.example.appintern

import android.os.Bundle
import android.view.View
import android.widget.Button
import android.widget.ImageView
import androidx.activity.ComponentActivity
import kotlin.random.Random

class MainActivity : ComponentActivity() {

    private lateinit var rollButton: Button
    private lateinit var img: ImageView

    private val imageResources = intArrayOf(
        R.drawable.dice1,
        R.drawable.dice2,
        R.drawable.dice3,
        R.drawable.dice4,
        R.drawable.dice5,
        R.drawable.dice6)

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

        rollButton = findViewById(R.id.button)
        img = findViewById(R.id.img)

        rollButton.setOnClickListener(View.OnClickListener {

            val randomIndex = Random.nextInt(imageResources.size)

            img.setImageResource(imageResources[randomIndex])
        })

    }
}
```

XML CODE:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:gravity="center"
    android:background="@drawable/bg">

    <ImageView
        android:id="@+id/img"
        android:layout_width="200dp"
        android:layout_height="200dp"
        android:src="@drawable/demo"
        android:padding="20dp"
    />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="ROLL DICE"
        android:textColor="@color/white"
        android:gravity="center_horizontal"
        android:padding="20dp"
        android:textStyle="bold|italic"
        android:textSize="16dp"
    />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:padding="20dp"
        android:paddingLeft="20dp"
        android:paddingRight="20dp"
        android:text="CLICK TO CHANGE"
        android:background="@color/purple_200"
    />

</LinearLayout>
```

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Output video:

[VIDEO LINK](#)

