

NAME : A.HARSHINI KUMARI

REG.NO : 21BCE9222

EMAIL ID : [harshini.21bce9222@vitapstudent.ac.in](mailto:harshini.21bce9222@vitapstudent.ac.in)

## ASSIGNMENT – 2

Zip file link:

<https://drive.google.com/file/d/1CcoovTFVg6LoCEndjLOubS9WX2V2Lo6g/view?usp=sharing>

Code:

MainActivity.kt:

```
package com.example.diceeee
import android.os.Bundle
import android.widget.Button
import android.widget.ImageView
import androidx.appcompat.app.AppCompatActivity
import java.util.*

class MainActivity : AppCompatActivity() {

    lateinit var diceImage: ImageView

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

        val rollButton: Button = findViewById(R.id.roll_button)
        rollButton.setOnClickListener {
            rollDice()
        }

        diceImage = findViewById(R.id.dice_image)
    }

    private fun rollDice() {
        val randomInt = Random().nextInt(6) + 1
        val drawableResource = when (randomInt) {
            1 -> R.drawable.dice_1
            2 -> R.drawable.dice_2
            3 -> R.drawable.dice_3
            4 -> R.drawable.dice_4
            5 -> R.drawable.dice_5
            else -> R.drawable.dice_6
        }

        diceImage.setImageResource(drawableResource)
    }
}
```

## Xml code:

```
<?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="wrap_content"
    android:layout_gravity="center_vertical"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <ImageView
        android:id="@+id/dice_image"
        android:layout_width="394dp"
        android:layout_height="477dp"
        android:layout_gravity="center_horizontal"
        app:srcCompat="@drawable/empty_dice"
        tools:srcCompat="@drawable/dice_1" />

    <Button
        android:id="@+id/roll_button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center_horizontal"
        android:text="rolldice" />

</LinearLayout>
```

## Outputs:





