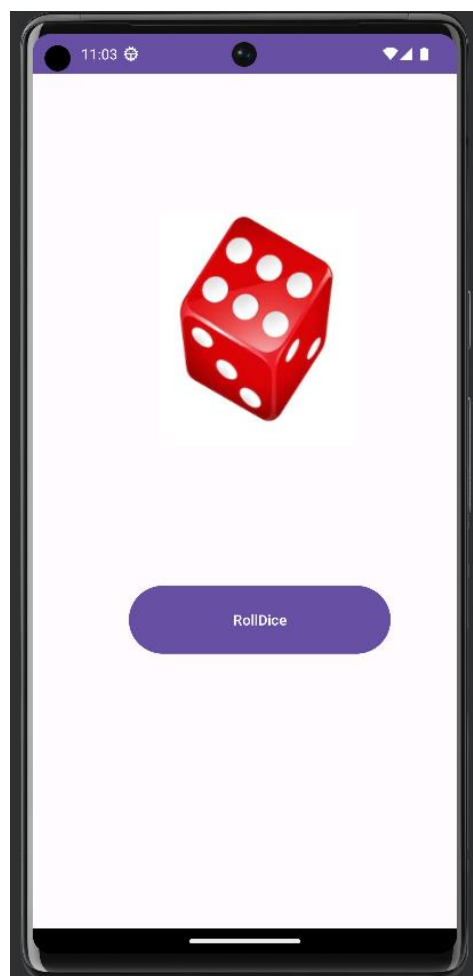# ASSIGNMENT -2

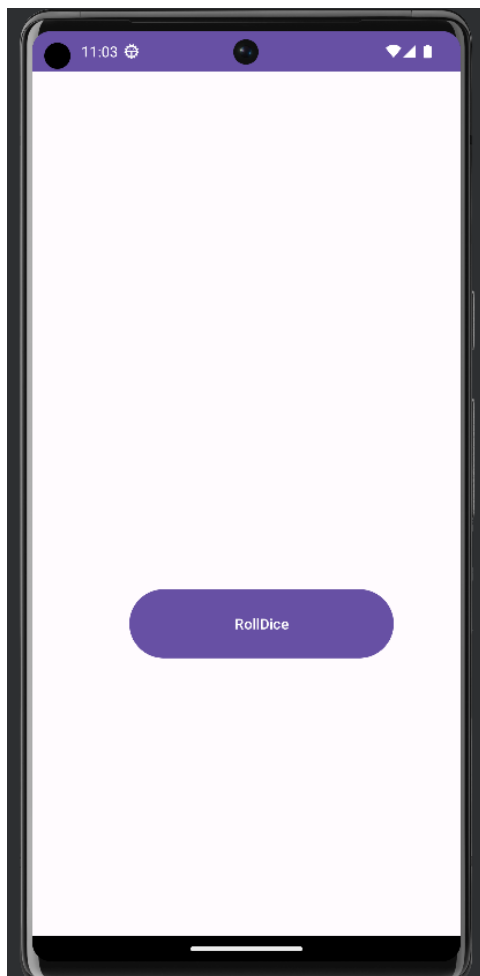**NAME: EDUBILLI UDAY KUMAR**
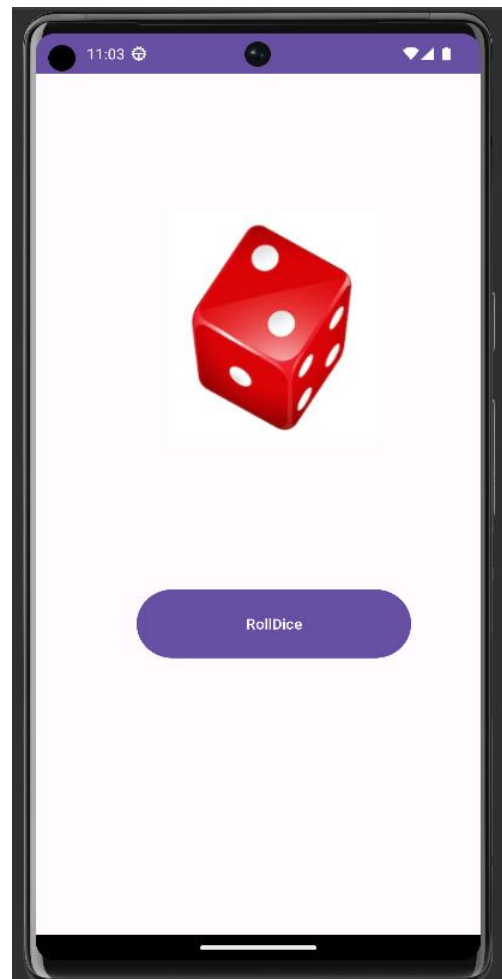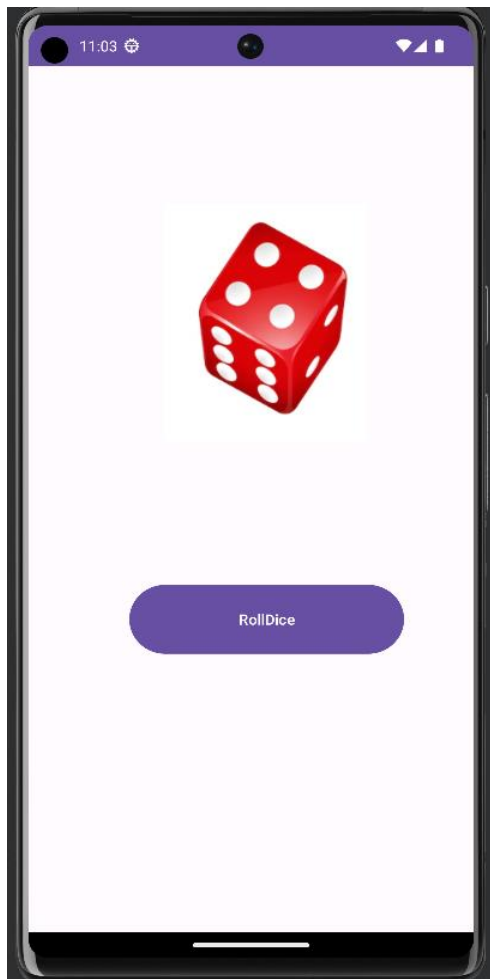
DICE PROGRAM:

DRIVE LINK:

https://drive.google.com/file/d/1uJ60Doz_U4YjSgs61pkKM9X Gdsj2XTFN/view?usp=sharing

OUTPUT:

CODE:

```
package com.example.diceprogram

import android.os.Bundle

import android.widget.Button

import android.widget.ImageView

import androidx.appcompat.app.AppCompatActivity

import kotlin.random.Random


class MainActivity : AppCompatActivity() {

    private lateinit var diceImageView: ImageView

    override fun onCreate(savedInstanceState: Bundle?) {

        super.onCreate(savedInstanceState)
```

```kotlin
        setContentView(R.layout.activity_main)


        diceImageView = findViewById(R.id.imageView)

        val rollButton: Button = findViewById(R.id.rollButton)


        rollButton.setOnClickListener {

            rollDice()

        }

    }


    private fun rollDice() {

        // Define an array of dice image resource IDs

        val diceImages = arrayOf(

            R.drawable.dice1,

            R.drawable.dice2,

            R.drawable.dice3,

            R.drawable.dice4,

            R.drawable.dice5,

            R.drawable.dice6

        )


        // Generate a random index to select a dice image

        val randomIndex = Random.nextInt(diceImages.size)


        // Set the randomly selected dice image

        diceImageView.setImageResource(diceImages[randomIndex])

    }

}
```

XML CODE:

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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"

    tools:context=".MainActivity">


    <Button

        android:id="@+id/rollButton"

        android:layout_width="254dp"

        android:layout_height="74dp"

        android:text="RollDice"

        app:layout_constraintBottom_toBottomOf="parent"

        app:layout_constraintEnd_toEndOf="parent"

        app:layout_constraintHorizontal_bias="0.592"

        app:layout_constraintStart_toStartOf="parent"

        app:layout_constraintTop_toTopOf="parent"

        app:layout_constraintVertical_bias="0.652" />


    <ImageView

        android:id="@+id/imageView"

        android:layout_width="257dp"

        android:layout_height="227dp"

        android:layout_marginTop="132dp"

        android:layout_marginEnd="64dp"

        app:layout_constraintEnd_toEndOf="parent"

        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```