ASSIGNMENT – 2

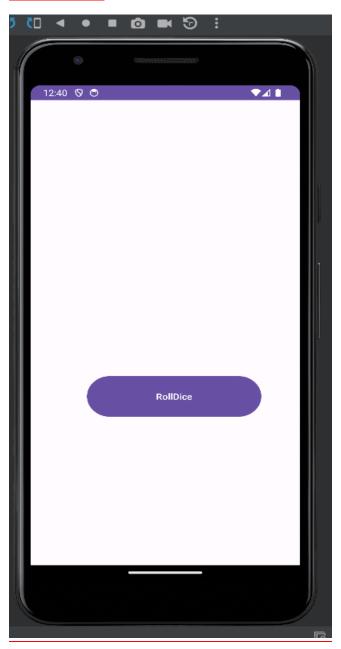
Name: RAMALA SIVA SAINADH REDDY

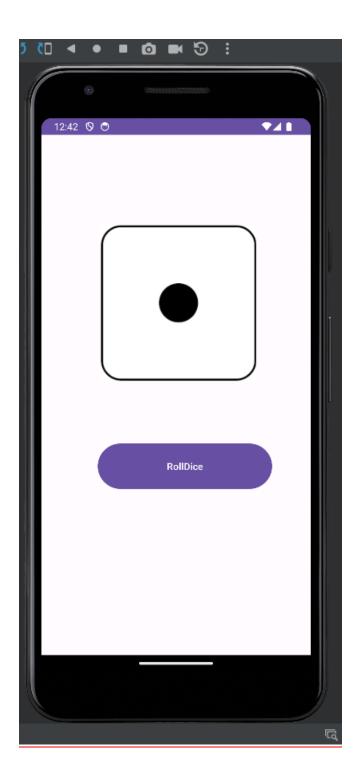
DICE PROGRAM:

Drive Link:

https://drive.google.com/file/d/12au2nS7JiFQ0KzV2eUv5LWArA-Dle2Ws/view?usp=sharing

OUTPUT:







CODE:

package com.example.rolldiceprogram

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)
    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.d1,
       R.drawable.d2,
       R.drawable.d3,
       R.drawable.d4,
       R.drawable.d5,
       R.drawable.d6
    // 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 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>
```