Kotlin Assignment 2

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Google Drive Link -

https://drive.google.com/drive/folders/1e92mVnbAfg85lhNb
HrpwCbV7tUQvIIJK?usp=sharing

MainActivity.kt code-

package main.sample.dice

```
import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.layout.fillMaxSize
import androidx.compose.material3.MaterialTheme
import androidx.compose.material3.Surface
import androidx.compose.material3.Text
import androidx.compose.runtime.Composable
import androidx.compose.ui.Modifier
import androidx.compose.ui.tooling.preview.Preview
import main.sample.dice.ui.theme.DiceTheme
import android.widget.Button
import android.widget.ImageView
import android.widget.TextView

import java.util.*

class MainActivity : ComponentActivity() {
    private lateinit var RAtextView: TextView
    private lateinit var FRrollButton: Button
    private lateinit var FPimageView: ImageView
    private lateinit var imageViewR: ImageView

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

        RAtextView = findViewById(R.id.RAtextView)
        FPimageView = findViewById(R.id.FPimageView)
        FRrollButton = findViewById(R.id.FRrollButton)
        imageViewR = findViewById(R.id.FPimageView)
```

```
        FRrollButton.setOnClickListener{
            rollDice()
        }
    }

    private fun rollDice(){
        val random = Random()
        val randomNumber = random.nextInt( 6) + 1

        val diceside = when (randomNumber) {
            1 -> R.drawable.dice1
            2 -> R.drawable.dice2
            3 -> R.drawable.dice3
            4 -> R.drawable.dice4
            5 -> R.drawable.dice5
            6 -> R.drawable.dice6
            else -> R.drawable.dice_full
        }

        FPimageView.setImageResource(diceside)
        val resultText = "You rolled a $randomNumber"
        RAtextView.text = resultText



    }
}
```

Gradle Output –

On pressing "ROLL" button