VIT-AP UNIVERSITY, ANDHRA PRADESH

Lab Sheet IO: Status Bar Notification

Academic year: 2022-2023

Branch/ Class: B.Tech
Semester: Fall

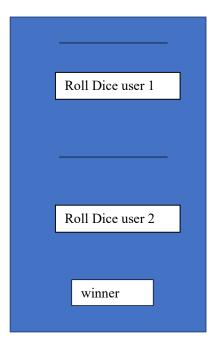
Date: 23-II-2022

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Design an application that reads a random number between 1 to 6 whenever the user clicks Roll Dice. Do this for both the user. When the Winner button is pressed raise a status bar notification indicating whether user1 or user2 is the winner.



Activity_main.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"

    android:background="#0A3F57"
    android:backgroundTint="#2196F3"
    android:padding="20dp">

    <TextView
        android:id="@+id/tv1"
        android:layout_width="177dp"
        android:layout_height="0dp"</pre>
```

MainActtivity.java:

```
b3=findViewById(R.id.b3);
            public void onClick(View view) {
            public void onClick(View view) {
        if (Build.VERSION.SDK INT >= Build.VERSION CODES.O) {
NotificationCompat.Builder (MainActivity.this, "RollerDice");
```

```
builder.setContentTitle("Notification");
    if (num1 > num2) {
        builder.setContentText("Winner : Player 1");
    } else if (num2 > num1) {
        builder.setContentText("Winner : Player 2");
    } else {
        builder.setContentText("DRAW");
    }
    builder.setSmallIcon(R.drawable.notification);
    NotificationManagerCompat managerCompat =
NotificationManagerCompat.from(MainActivity.this);
        managerCompat.notify(1,builder.build());
    }
});
```

output:

