Project 3:- disco light using led (FUN PROJECT).

# Components required:-

|  |  |  |
| --- | --- | --- |
| Serial no. | Component required | quantity |
| 1. | NPN Transistor BC148 | 2 |
| 2. | Leds(red and green) | 4each |
| 3. | Resistor(820 ohm) | 2 |
| 4. | Resistor(68k ohm) | 2 |
| 5. | Capacitor(22MF,16v) | 2 |

**DESCRIPTION:-**

In this project two transistors are connected in bistable multivibrator mode, means if one is ON other will be OFF.

Capacitor C1 and C2 connected at the collector of transistor determines the rate of blinking.

C1 and C2 can have same and different values it depends on you.

Since at a time only one transistor is on, the led connected to that very transistor will glow.

**B**istable multivibrator is also called flip flop, trigger circuit or binary.

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