Name - Yash Lakhtariya
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Branch - CBA   Batch - 51
M&A Practical 9

Aim : Learning advance programming using Jumps and Calls (Branch Instructions) in 8051 Microcontroller

Exercise : Write an Assembly Language Program that will receive a byte from Port 2 and send it serially out with some delay on pin P3.0. Connect LED to check the bits 0 & 1. Also connect CRO to observe the bit pattern if possible.

Code :

```
INFINITE:

MOV R0,#08H
MOV A,P2

EIGHT:

RRC A
MOV P3.0,C
ACALL DELAY
DJNZ R0,EIGHT

SJMP INFINITE

DELAY: MOV R4,#70
DELAY2: MOV R2,#70
    HERE: DJNZ R2, HERE
    DJNZ R4, DELAY2
RET
END
```
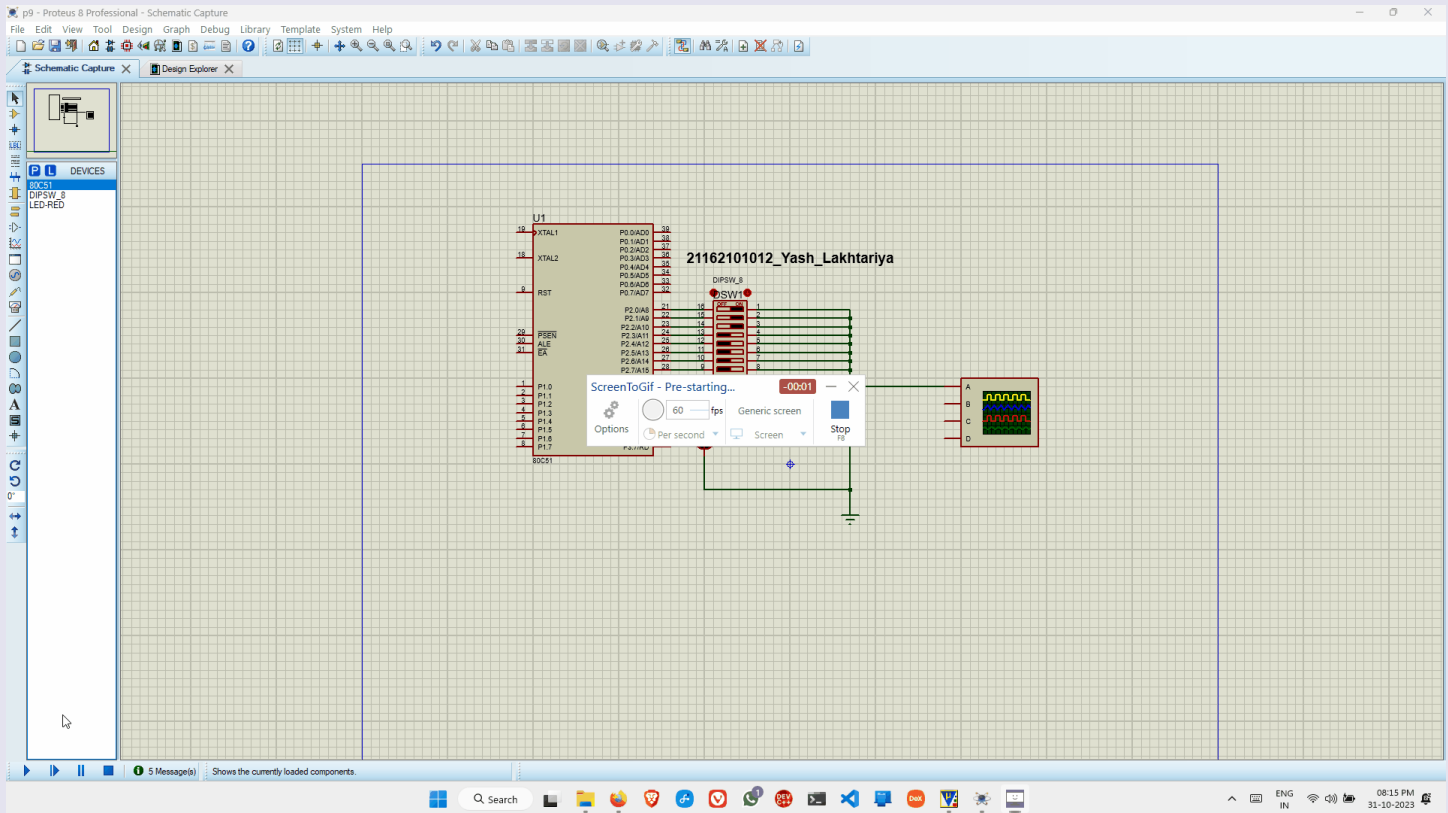
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Output GIF :

📄 **p9.gif**

If not visible, GIF link : **p9.gif**

https://drive.google.com/file/d/1B4PPfVWIMO7DaRbD2FYFIZWcYR-c7czv/view?usp=sharing