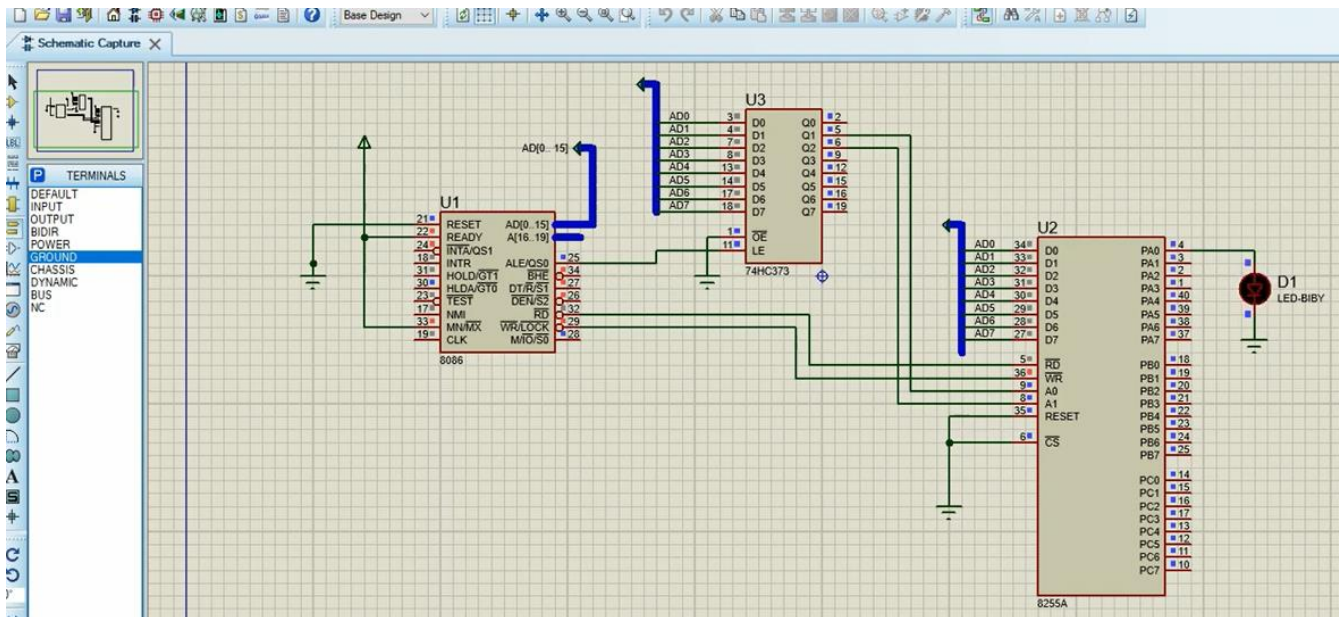
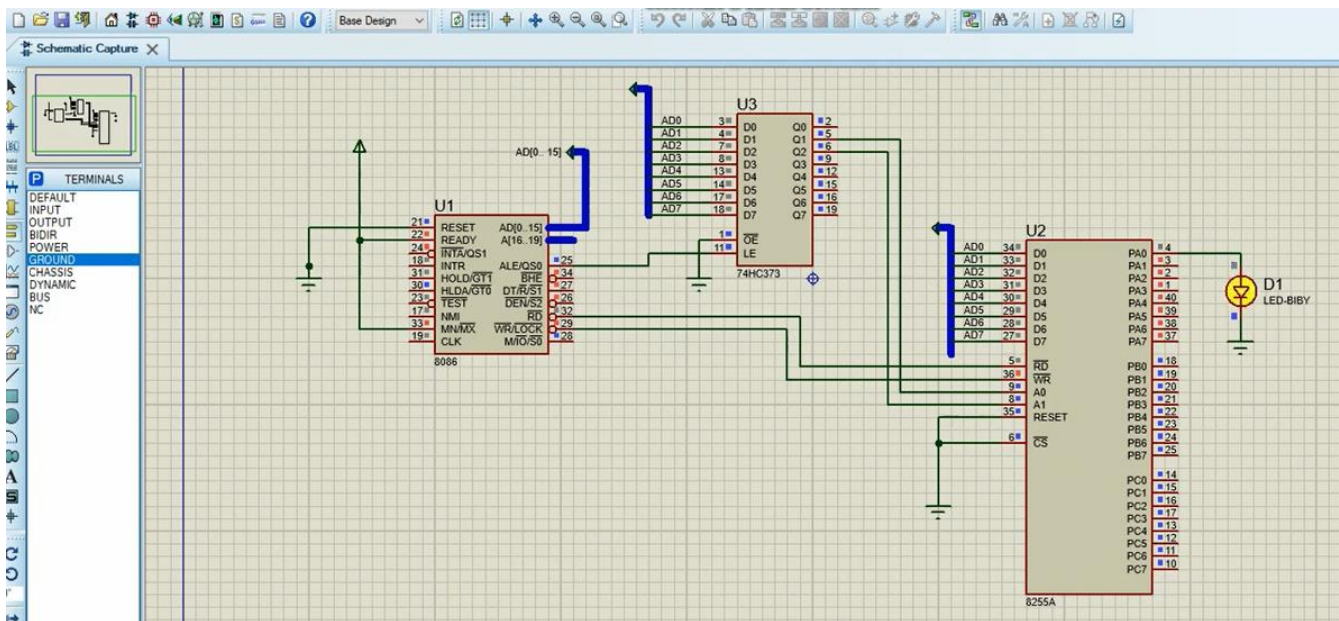


The screenshot displays the 8086 simulator's main window. The top menu bar includes 'file', 'edit', 'bookmarks', 'assembler', 'emulator', 'math', 'ascii codes', and 'help'. Below the menu is a toolbar with icons for 'new', 'open', 'examples', 'save', 'compile', 'emulate', 'calculator', 'converter', 'options', 'help', and 'about'. The central text area contains assembly code for an 8086 program, with line numbers 01 through 37 visible on the left margin. The code defines a data segment with ports, initializes the data segment, and contains two loops to test the PORTA and PORTC I/O ports.

```
01 DATA SEGMENT
02
03 PORTA EQU 00H
04 PORTB EQU 02H
05 PORTC EQU 04H
06 PORT_CON EQU 06H
07 DATA ENDS
08 CODE SEGMENT
09 MOV AX, DATA
10 MOV DS, AX
11
12
13 ORG 0000H
14 START:
15
16 MOV DX, PORT_CON
17 MOV AL, 10000000B
18 OUT DX, AL
19
20 JMP XX
21 XX:
22 MOV AL, 0000H
23 MOV DX, PORTA
24 OUT DX, AL
25 MOV CX, 0DF36H
26 loopy1: loop loopy1
27 MOV AL, 00FFH
28 MOV DX, PORTA
29 OUT DX, AL
30 MOV CX, 0DF36H
31 loopy2: loop loopy2
32 JMP XX
33
34 CODE ENDS
35 END
36
37
```



**Output:**



-----THE END-----