**Displaying text in LCD**

**Learning Objective**: -

* Displaying string or individual characters in LCD display
* Printing numbers and different symbols in LCD

**Input and Output**: -

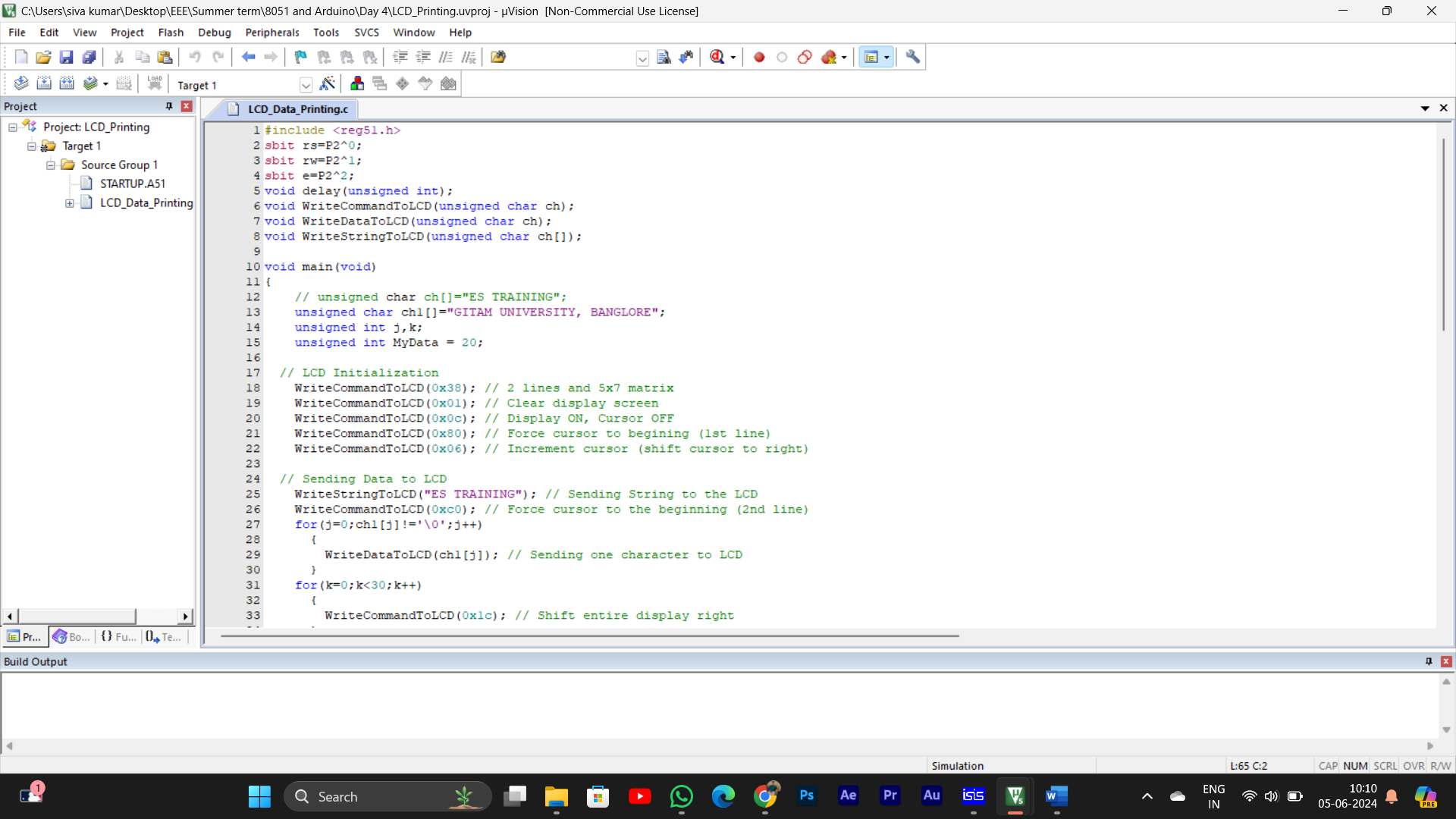
* Inputs are commands from Microcontroller
* Output is LCD display

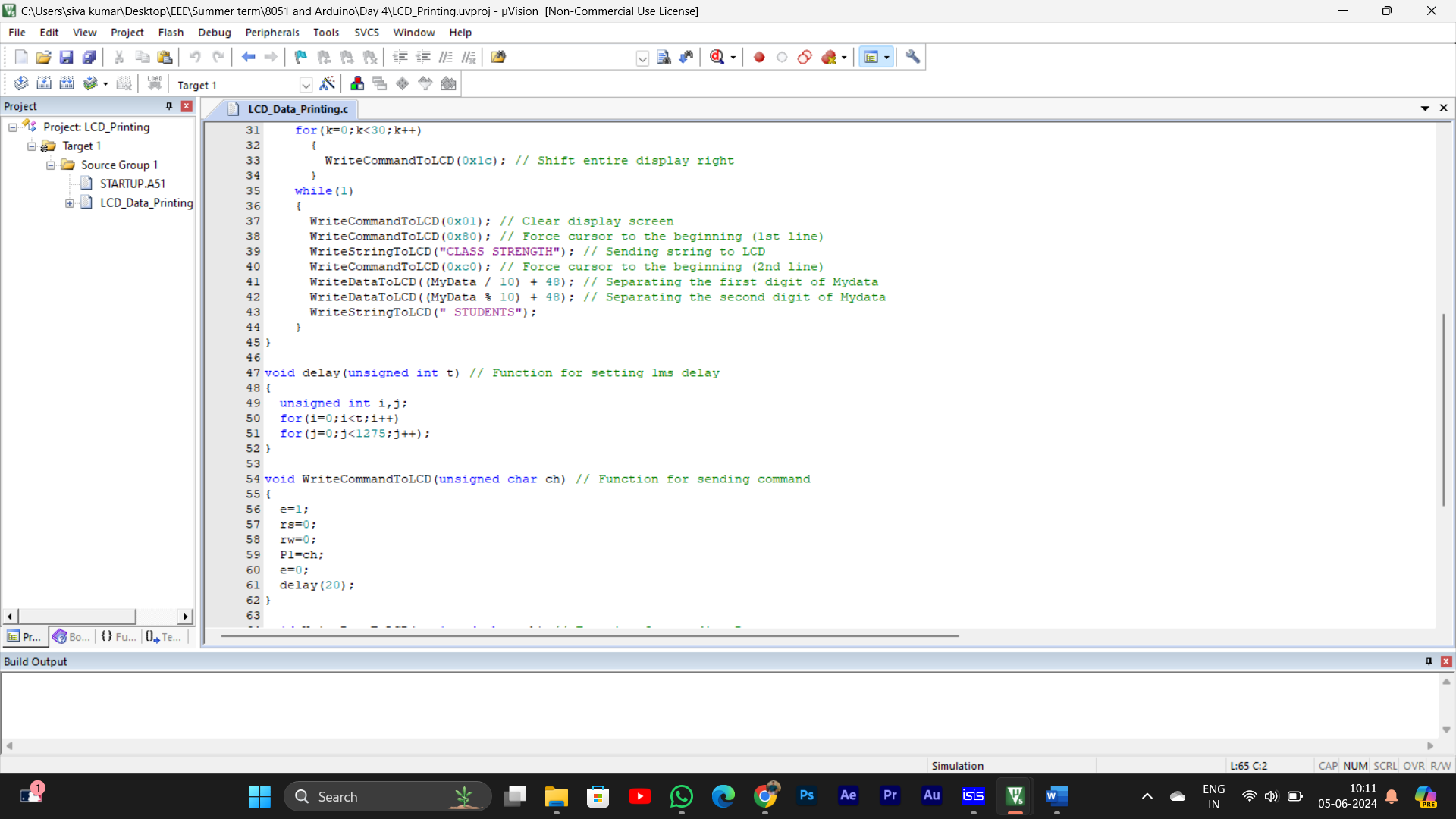
**Logic**: -

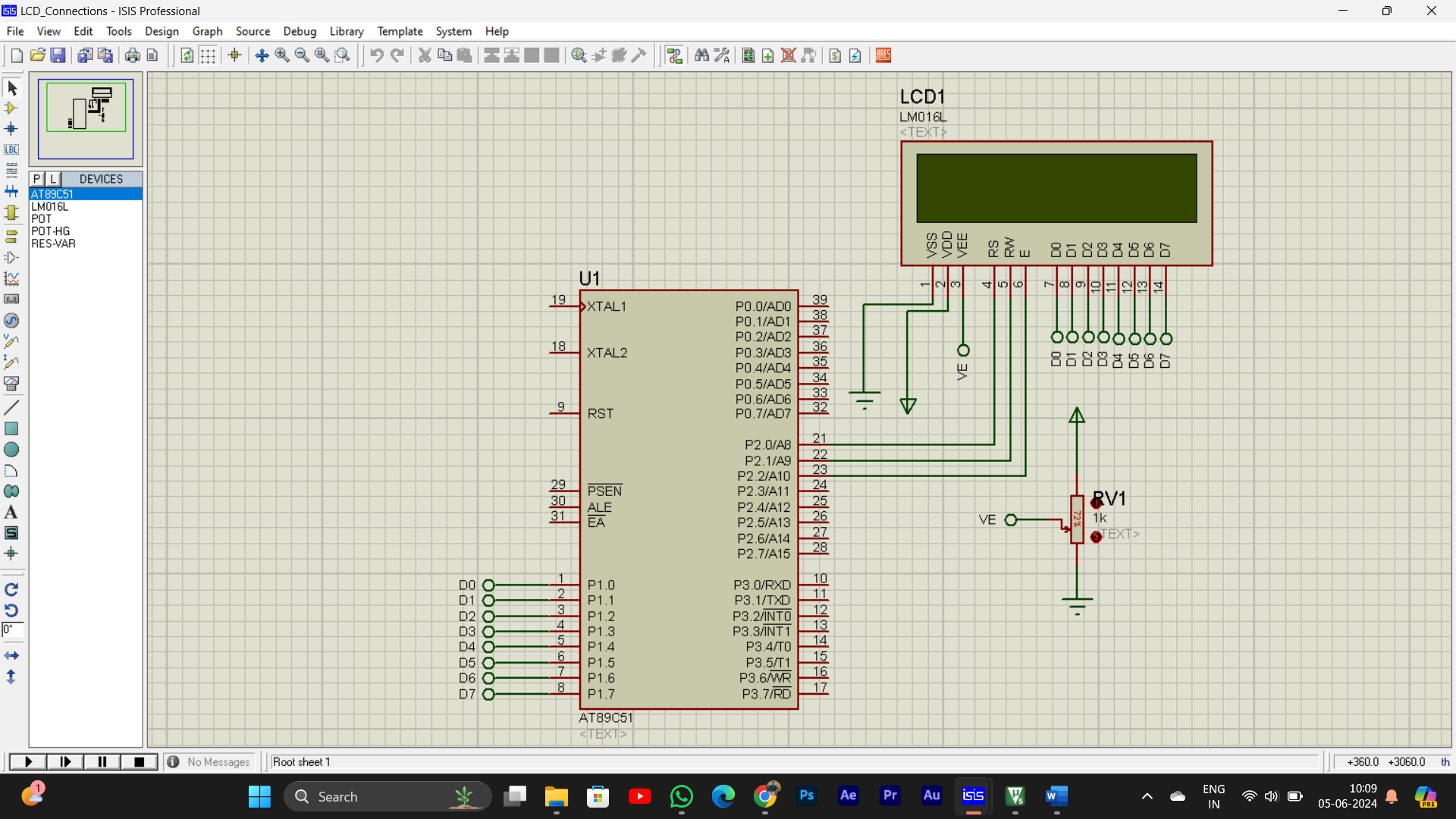
* Connecting input pins and command pins of LCD display to 8051
* Writing different functions for commands, string, data and delay
* Initially trying to enter data by individual characters
* Next grouping the individual characters as a string and printing in LCD
* Converting numbers into their ASCII values and printing in LCD
* Using different commands like clear display, giving space, enabling cursor, going to next line, etc.

**Common Mistakes**: -

* Printing numbers before converting them
* Giving proper commands after every execution
* Clearing screen before giving new string in same line
* Giving string of characters according to the no of matrix present





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