Experiment 4   Design a calculator using 8051 microcontroller

The objective of this experiment is to design a simple calculator using 8051 microcontroller and its EdSim51Di simulator to perform basic operation of addition, subtraction, division, and multiplication of two digit integer numbers. Interface the provided keypad in the simulator for entering numbers, interface switches for selecting operations (SW0 (+), SW1 (-), SW2 (×), SW3 (÷), and SW4 (=)), and interface the LCD module for displaying the result, numbers, and selected operation.

Note: Write the code in C language and generate the desired HEX file through **Keil uVision5**.