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| **Subject Name and Code:-** Foundation Skills On Sensor Interfacing (01CT1103) | **Date of Experiment:- 11-12-2022** |

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| Task:- |  |

* Interface 16x2 LCD and temperature & humidity sensor with arduino uno development board and observe the data on LCD.

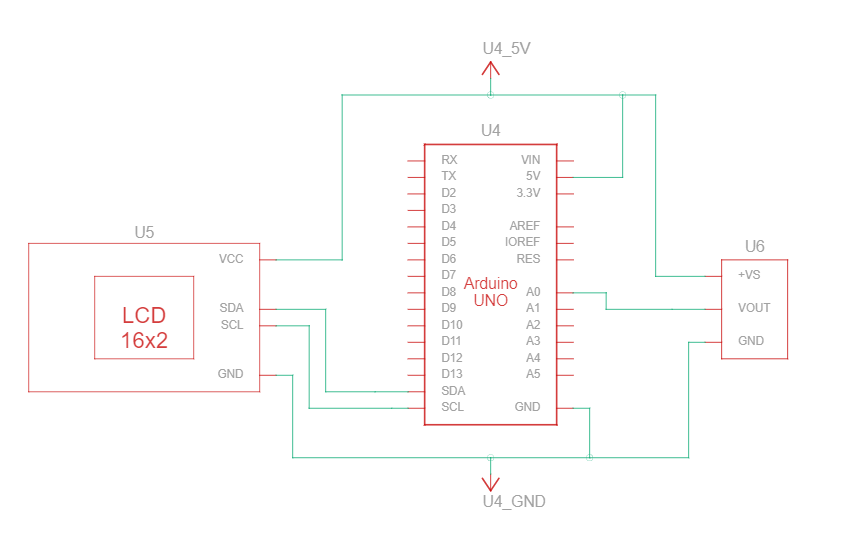
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| Components: |  |

* Arduino Uno R3
* 16 X 2 I2C LCD Display
* Jumper Wires (Male To Male)
* Temperature Sensor.
* Laptop Or PC

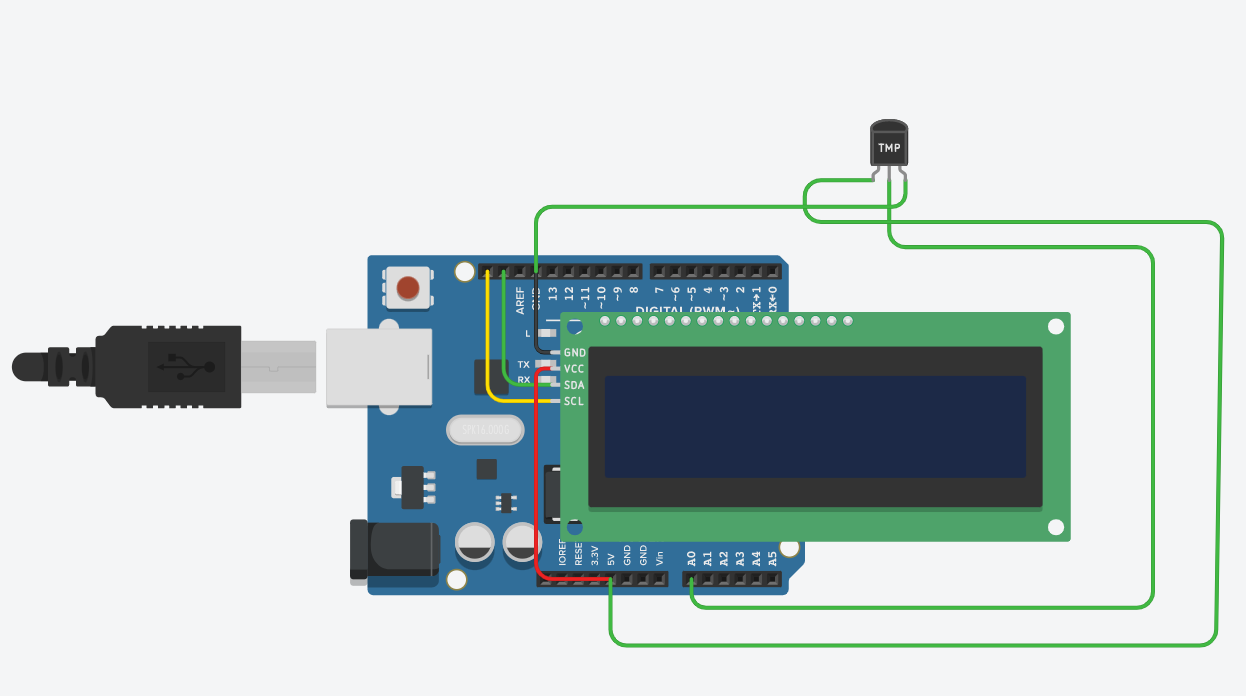
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| About the Project:- |  |

* In thisproject, we are going to interface 16 x 2 LCD Display with Arduino and Get the Readings of temperature Sensor on It. For That WE Will Connect the VCC with +5V and GND to the Ground. SDA and SCL Pin will be connected to the last two pins of Arduino.
* Now, we will connect the Temperature Sensor with Arduino. For that we will connect The Signal Pin we will connect to the Analog Pin A0 and Power pin to +5V and Ground Pin To GND.

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| Schematic:- |  |



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| Output:- (you circuit implementation |  |  |

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| Code:- |  |

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| Conclusion:- |  |

* In This Experiment, We Learnt That How To Get Readings of temperature Sensor’s Reading on LCD.