AMIT PROJECT
Glove for Deaf

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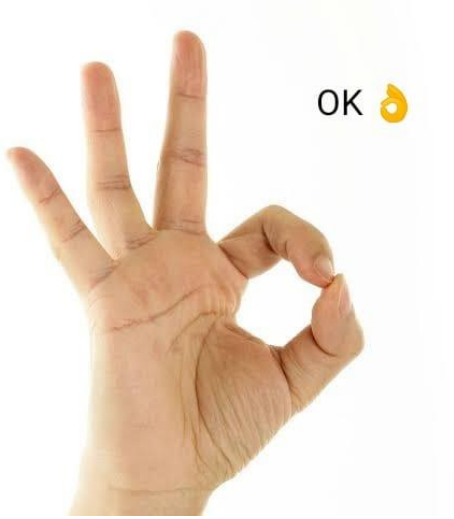
How are you?

Can i talk with

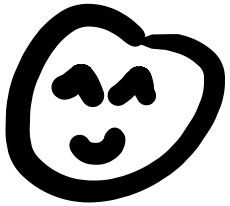
?

if your answer

is

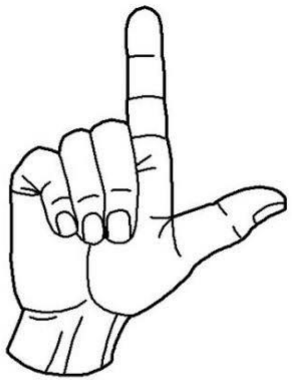


→ let's go



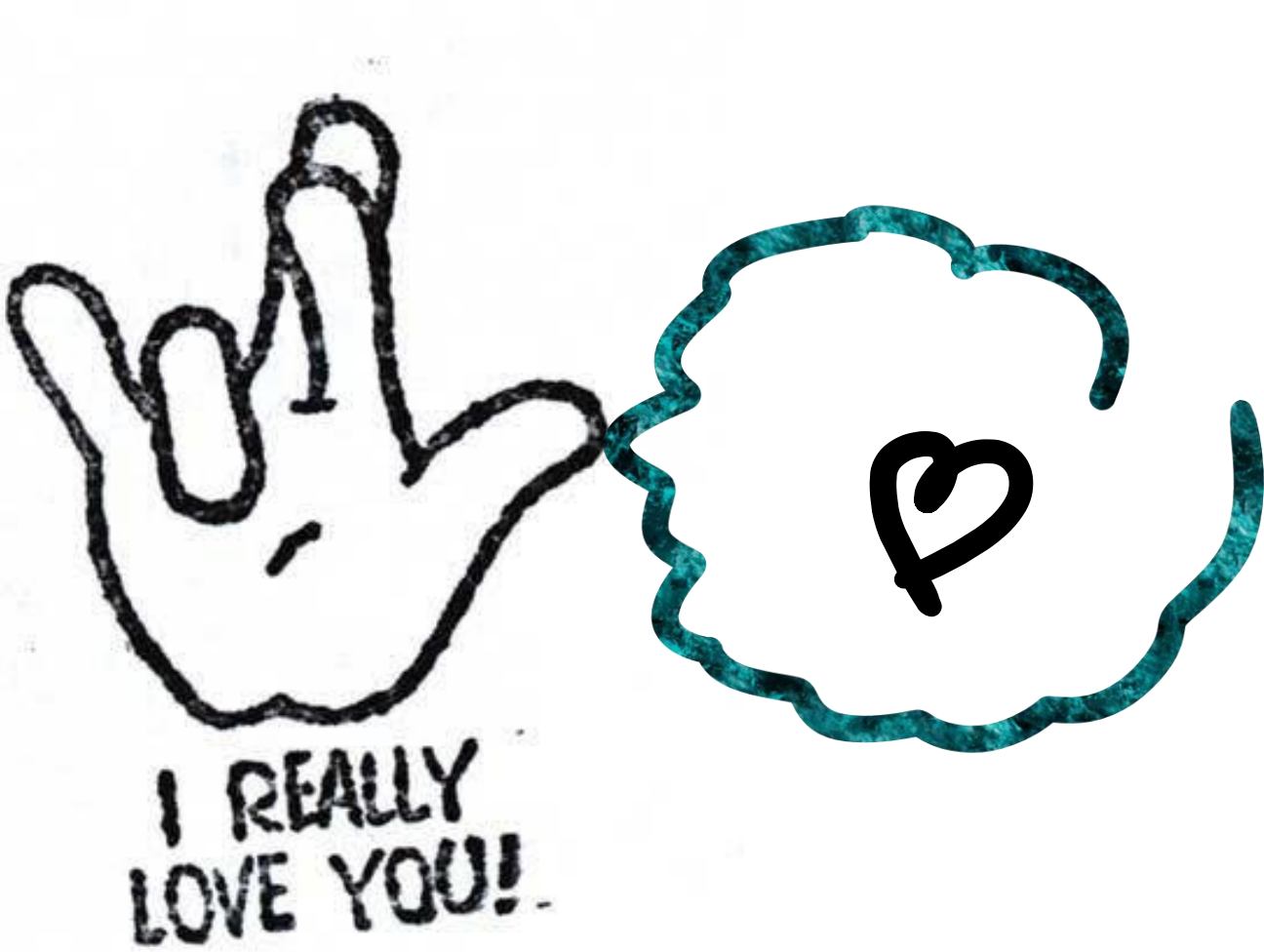
There are some letters you can see here

Hmmm... sorry it is Number not letter 7



and

No No No



- i am happy for you because you have a

That i could see you again and

But i wish you a better life ♡

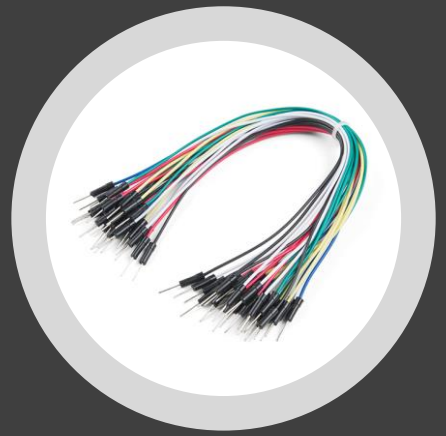
any

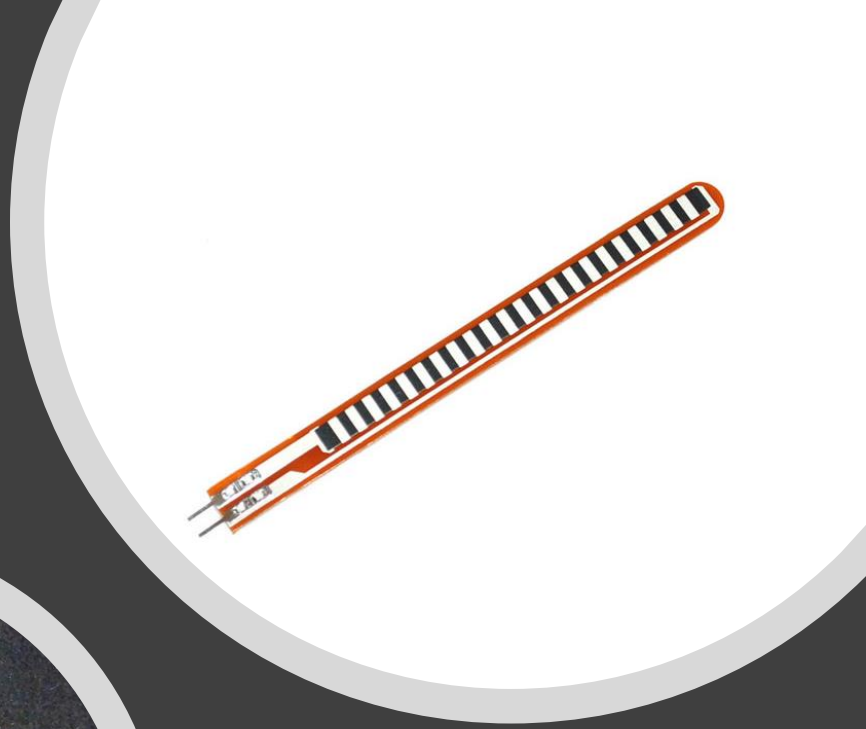
goodbye

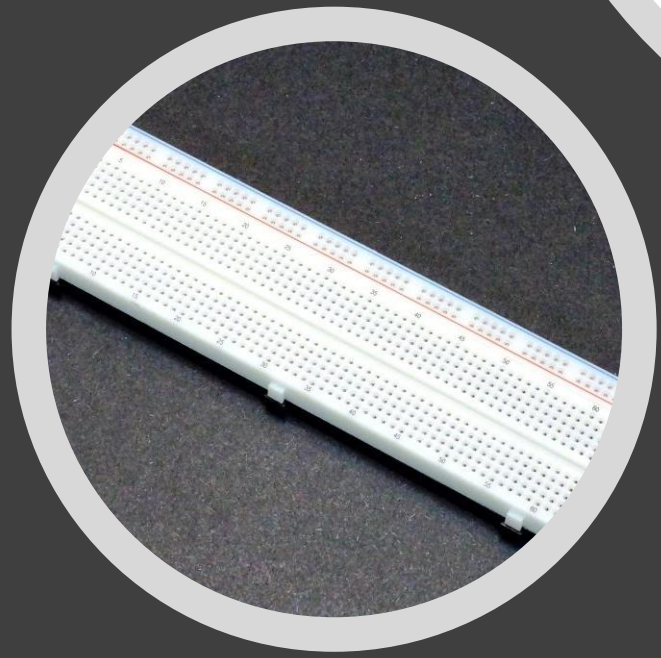
and Thank you for this time

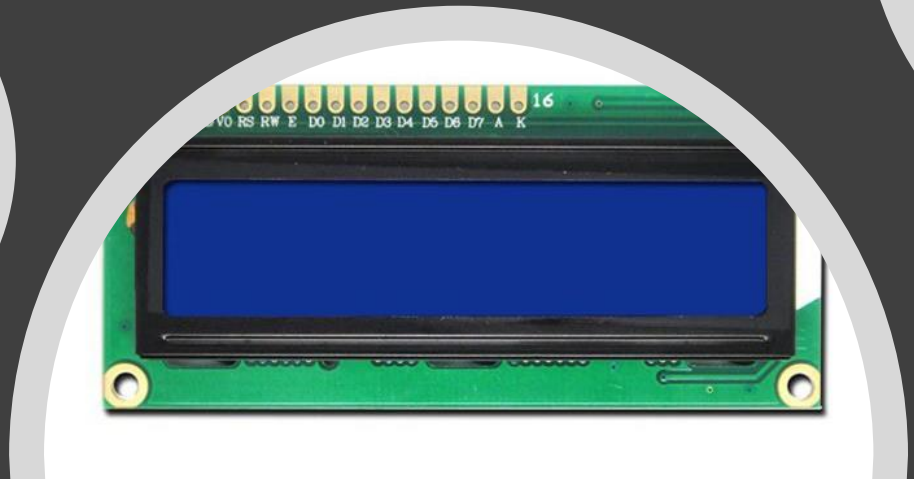
- Steps of making the project:

  1. It was necessary to know the project and its requirements.







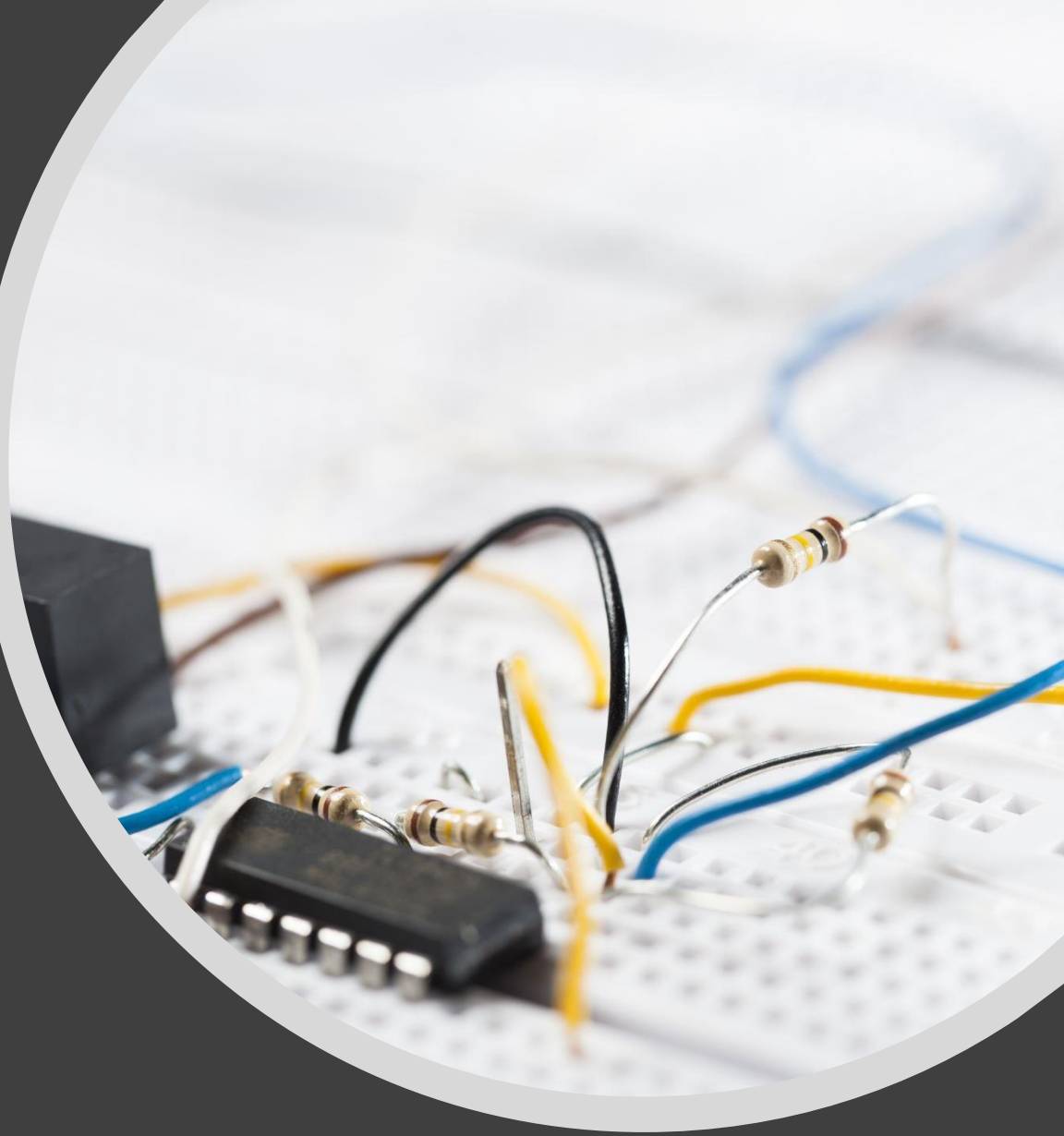


2. Selecting the drivers that we will use and then make sure that it is working properly by checking.
3. Trying to draw a mind map as a visualization of the steps of the program and the device and began writing scripts.
4. Make sure that the sensor is working and get its reading from Arduino to know the range of its variable resistance.
5. We worked on the **EEPROM**, which we wanted to write a string instead of 1 byte, so we made a function for writing and reading.
6. We chose the signals for which we want to store the sentences and store them.
7. We tested the storage data and displayed it on the **LCD**.
8. We built the code and the rest was to get the readings from the sensors and work on them in the code to get the required output.

- **Note: the problem was getting the readings in analog format, so we used the digital pins instead and we converted them to high or low volts.**

9. Calibrated the voltage required to obtain high and low voltage using the principle of voltage divider.

- **Finally, after obtaining the required readings, the equivalent sentence appears on the screen**.



- To run the program :

You Need to run the Memory code first then run Glove_For_Deaf_V4 code.

➢ For Memory code :

1. Comment All what inside the main function Except functions int's and the while loop.
2. Only run the for loop from i=0 to i=256. ----> clearing EEPROM from any data on it.
3. Then comment the loop and only run all the

EEPROM_Write. ----> Saving Data on EEPROM

4. To check the data you could start from Clean_Array line to down and run them only.

➢ For Glove_For_Deaf_V4 code :

- After finishing The Memory Code Running you could run **Glove_For_Deaf_V4** code directly.