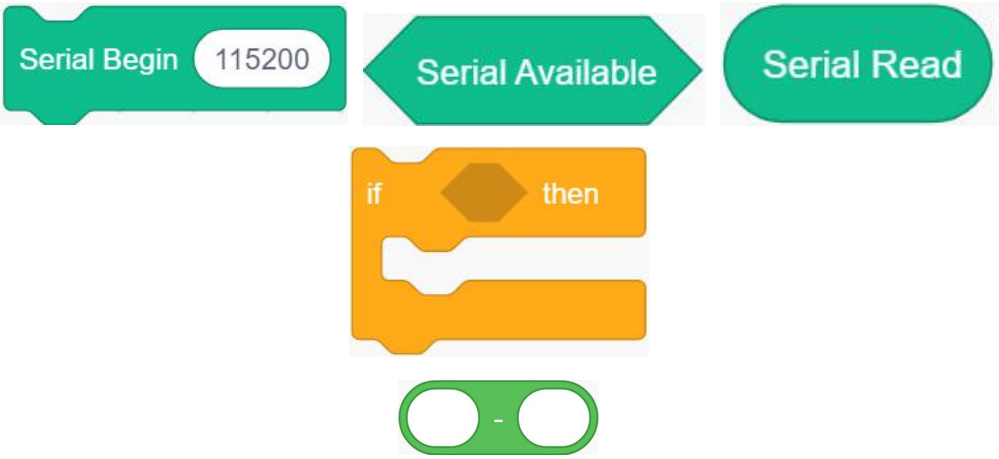
Experimental content: Serial port sends digital and OLED display corresponding number

Experiment preparation: UNO board *1, sensor expansion board *1, USB data cable *1, 0.91 inch OLED *1

Experimental wiring: Same as the [Using of OLED]

Experimental steps:

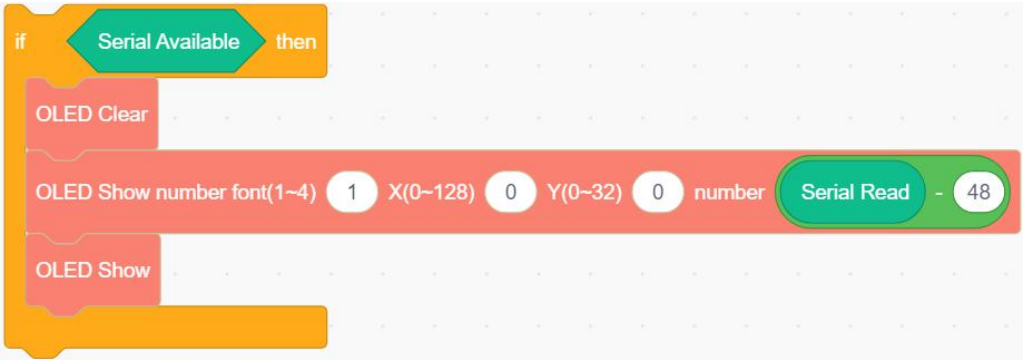
1. Select the following building blocks in the [Plugkit],[Control], [Operator].



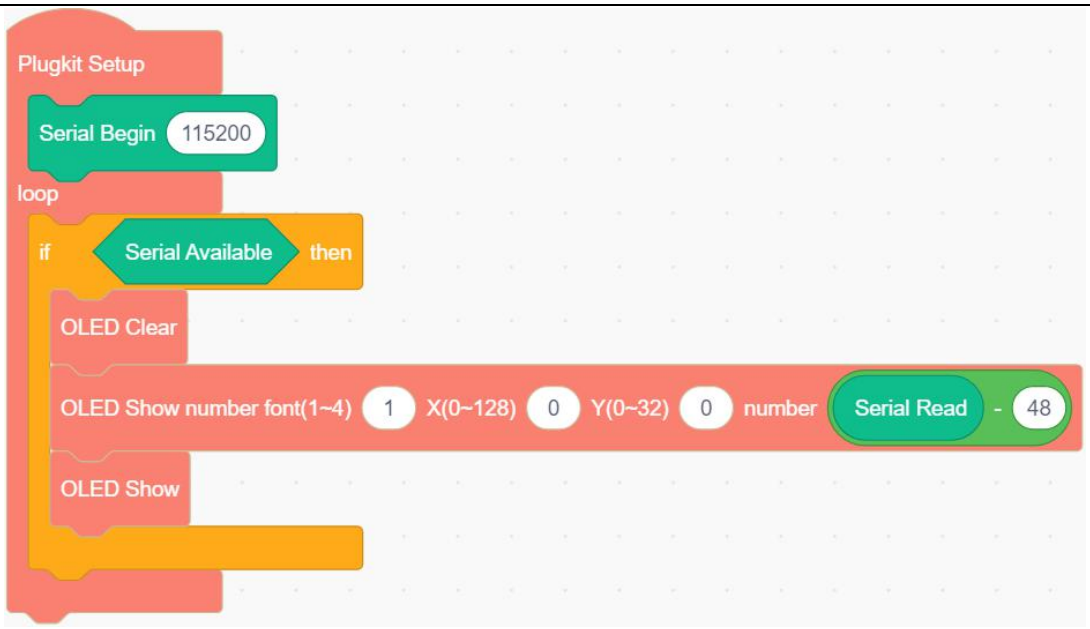
2.Because the serial port reads the ASCII code value, we need to convert the ASCII code value back to a decimal number.

3.Put the building block in the previous step into the third input position of the OLED display number.

4.If the serial port get data, then, the character ACSII code value read by the serial port is converted to a decimal number, and display this data on the OLED display.



5.Put the assembled blocks in the previous step into the loop, and put the “Serial Start 115200” blocks into the setup.



Experimental phenomena: Open the serial port debugging assistant, set the baud rate to 115200, open the serial port, input the numbers 1 ~ 10 in the serial port sending area, and click “Send”. The OLED display will display the corresponding numbers.