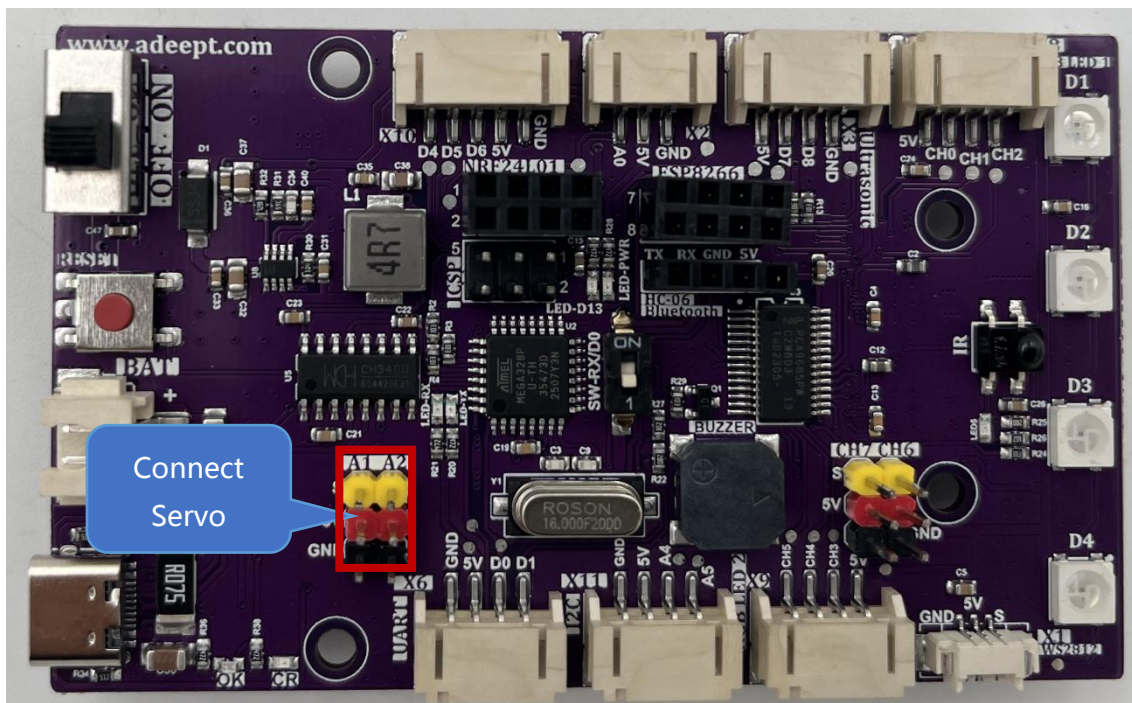


Lesson 3 Preparations before Assembly

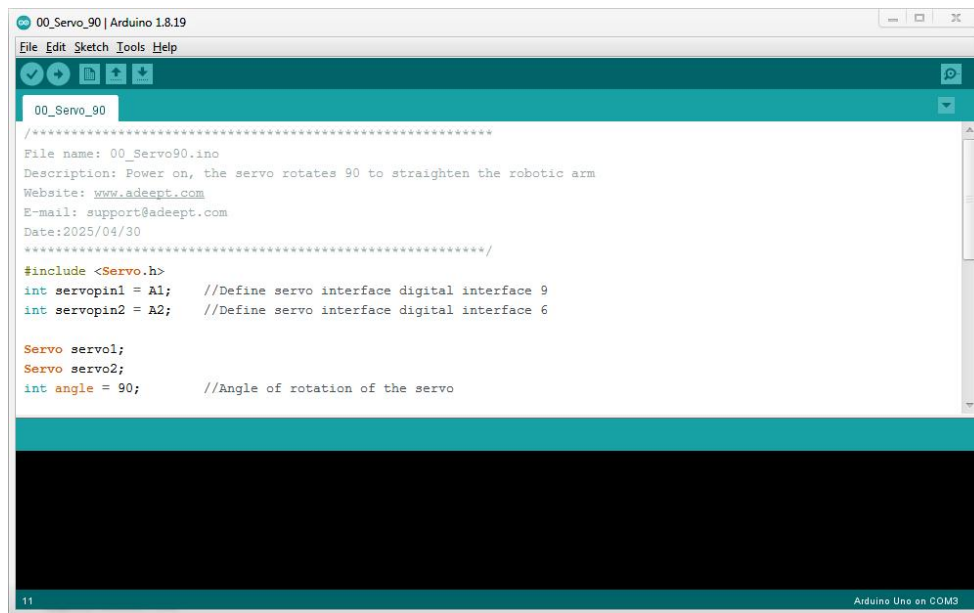
Before assembling the servo rocker arm, it's recommended to power on the servo and control the servo shaft to rotate to the initial position, so then the rocker arm installed at a specific angle will be in the initial position (90°).

The 180° servo module needs to be connected to the servo port on the Adeept Robot Control Board. The yellow line is connected to the yellow pin, the red line is connected to the red pin, and the brown line is connected to the black pin, as shown in the figure below (connected to pin P0):



3.1 Run the program

1. Connect your computer and Adeept Robot Control Board with a USB cable.
2. Open "00_Servo_90" folder in "/Code", double-click "00_Servo_90.ino".

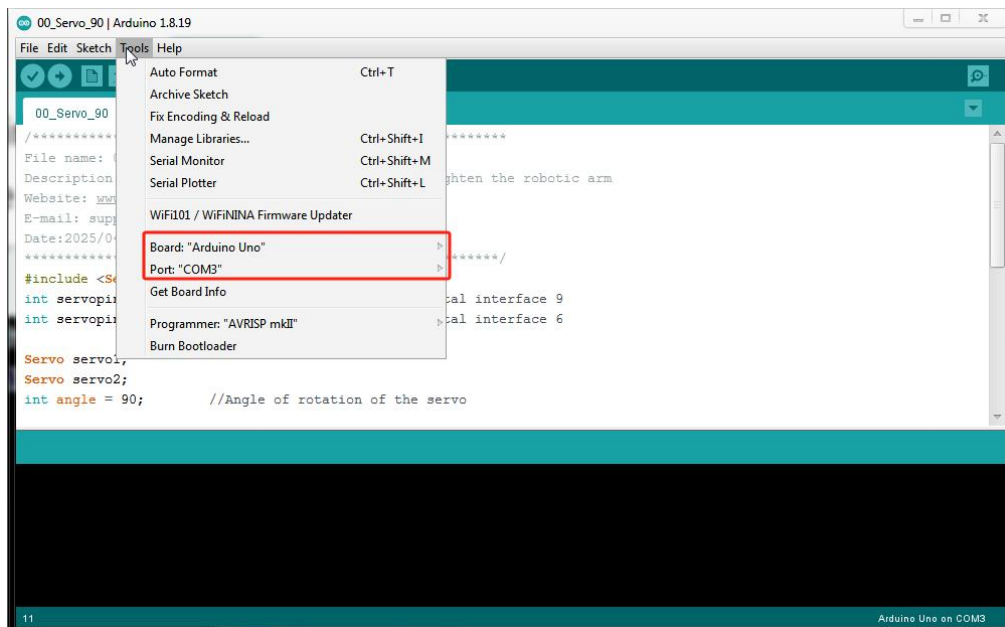


3. Select development board and serial port.


Board: **Tools**--->**Board**--->**Arduino AVR Boards**--->**Arduino Uno**

Port: **Tools** --->**Port**--->**COMx**

Note: The port number will be different in different computers.





4. After opening, click  to upload the code program to the Arduino. If there is no error warning in the console below, it means that the Upload is successful.

```
Done uploading.  
Sketch uses 3230 bytes (10%) of program storage space. Maximum is 32256 bytes.  
Global variables use 228 bytes (11%) of dynamic memory, leaving 1820 bytes for local variables. Maximum is 2048 bytes.
```

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5. After successfully running the program, the servo will turn to the 90 degree position(the rotation range of the servo is 0-180°). If a rocker arm is installed on the servo shaft, the rocker arm will not rotate when the rocker arm is gently moved by hand.

All servos need to be adjusted to 90 degrees before installation.

Do not rotate the servo shaft before successfully installing the servo, otherwise the initial angle of the servo needs to be readjusted.