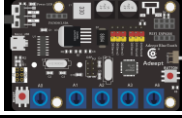




Servo 90 degree adjustment

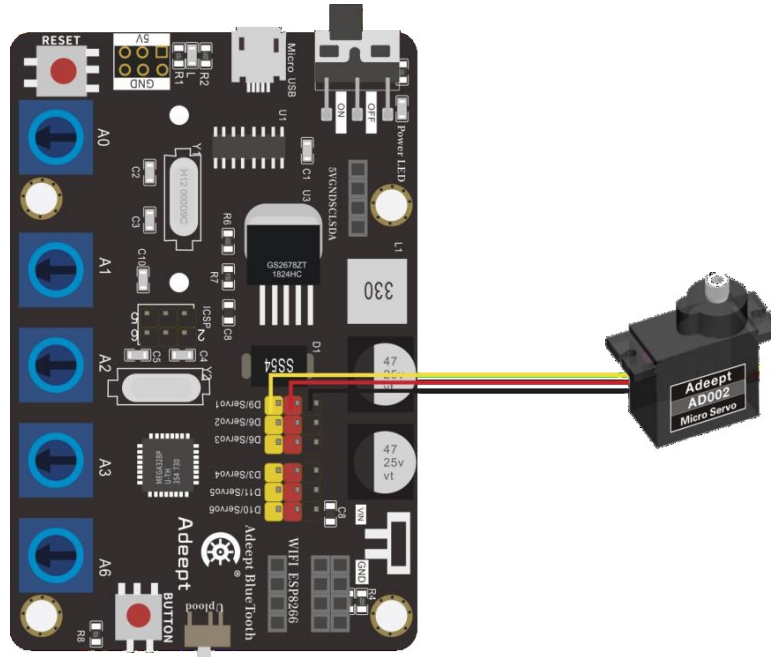
Before assembling the robotic arm, we first need to adjust the 5 servos of the robotic arm by 90 degrees.

1 Components used in this course

Components	Quantity	Picture
Aadept Arm Drive Board	1	
Micro USB Cable	1	
Servo	5	

2 Wiring diagram (Circuit diagram)

Connect 5 servos to the Servo1, Servo2, Servo3, Servo4, Servo5 ports on the Aadept Arm Drive Board:

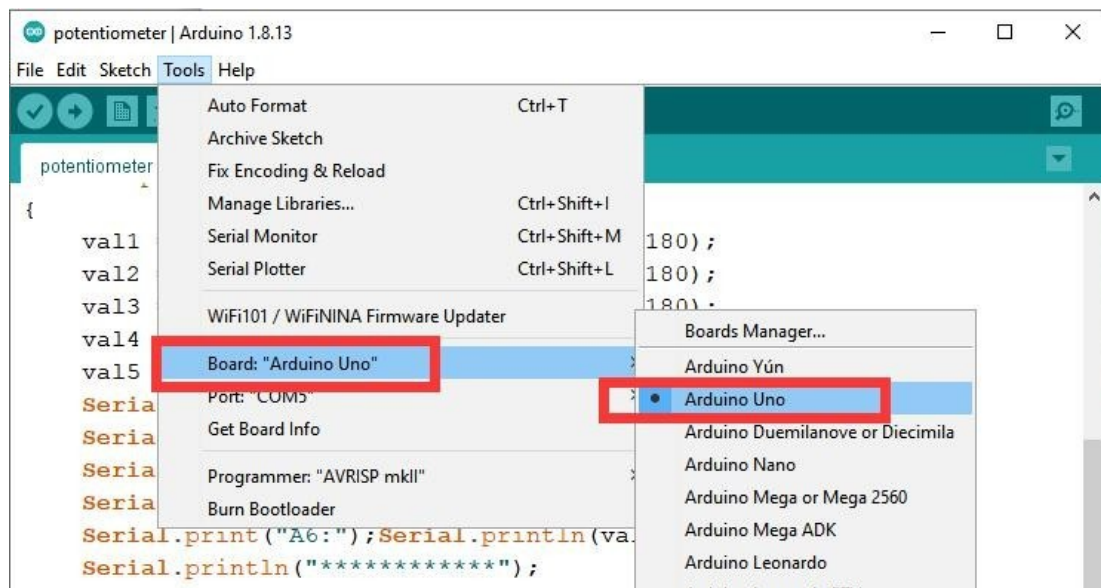


3 Upload the Servo90.ino

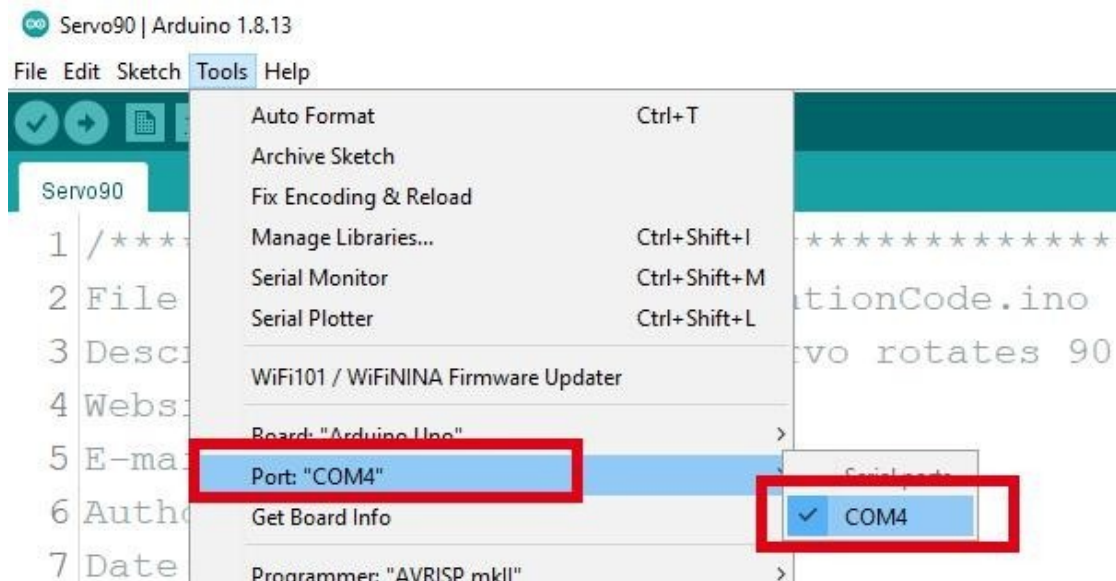
1. Open the Arduino IDE software, as shown below:



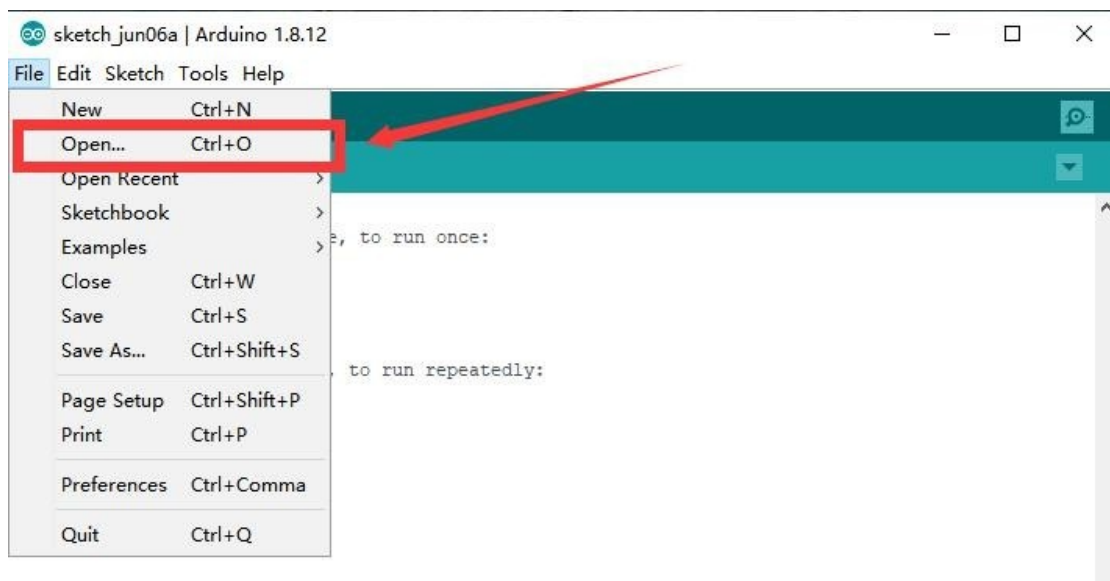
2. In the Tools toolbar, find Board and select Arduino Uno, as shown below:



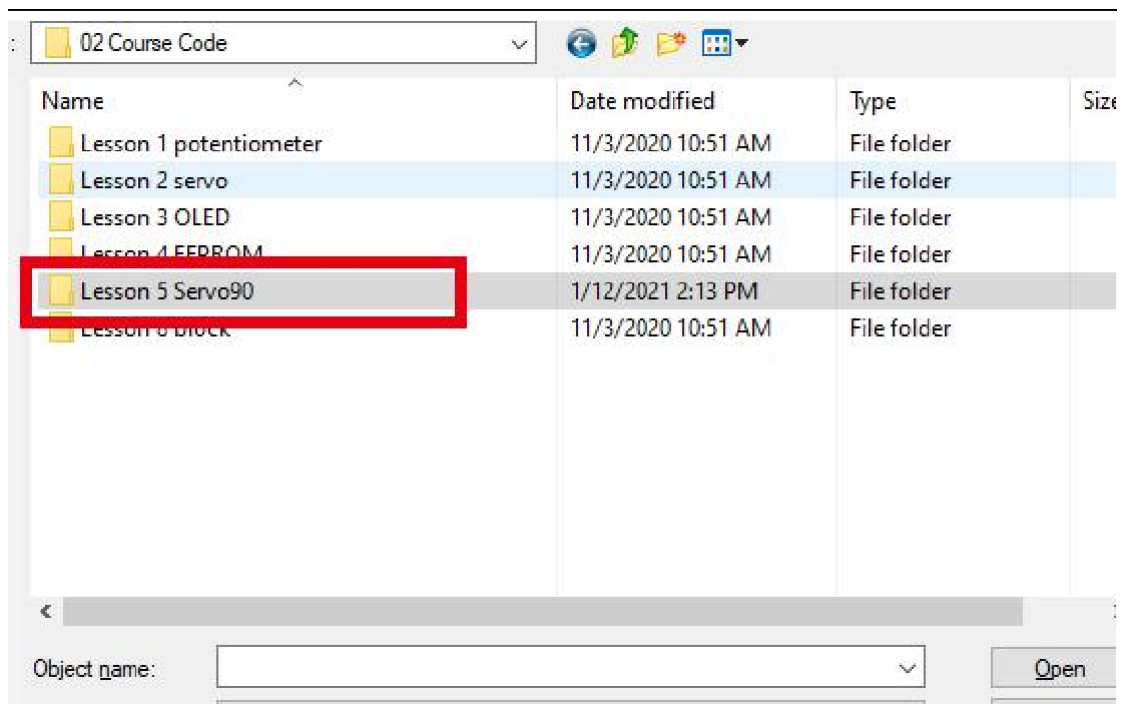
3. In the Tools toolbar, find “Port” and Select the port number of The Adeept Arm Drive Board , as shown below:




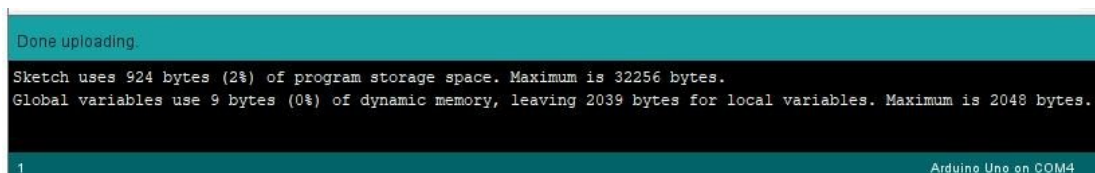
4. Click Open in the File drop-down menu:



5. Find the folder AdeeptRoboticArmforArduinoV3_5 that we provide to the user. Open the folder 02 Course Code in it. Enter the Lesson 5 Servo90 directory. Select Servo90.ino. This file is the code program we need in this course. Then click Open.



6. After opening, click to  upload the code program to the Arduino UNO. If



there is no error warning in the console below, it means that the Upload is successful.

7. After successfully running the program, You will see that all the servos will turn to 90 degrees.

【Note】 :

For the adjusted servos, it is forbidden to rotate them when assembling the robotic arm, otherwise it will cause errors in the assembly of the robotic arm.

8. Now you can proceed to the assembly operation of Lesson 6