

Exercise 1: Servo and potentiometer

- **Analogue input** and “analogRead()” function.
- You can not use the Map function.
- Questions to answer.
 - What are the three pins of a potentiometer?
 - What does an analogue input do? Arduino Mega 2560 map voltages between _____ into integer values between _____.
 - Is there analogue output pin?
 - How can we imitate an analogue output pin using digital pins?
 - What are the differences between the data types *int* and *float*?
 - What is the problem of the division operation between integers? How can you force the division to perform floating point arithmetic?