Basic structure of code:

* **Library:**
  + <include kilolib.h>
* **Functional Methods:**
  + kilobot\_init(): To initialise the hardware of the kilbots
  + kilo\_start(setup, loop): Takes two parameters: setup and loop

“void setup()” can be used to run any code that you want to execute once before entering the loop

“void loop()” is used to run a code that you want to execute at each time-step

* **Sensor Methods:**
  + get\_ambientlight():

Function: Returns the amount of light detected by the photo-diode of the kilobot in a 10-bit level (using ADC) from 0 to 1023.

DataType: 16-bit integer data type

* + get\_temperature():

Function: Returns the temperature of the surroundings in a 10-bit level (using ADC) from 0 to 1023.

DataType: 16-bit integer data type