**Report on**

**ADC Value Read using STM32CubeIDE**

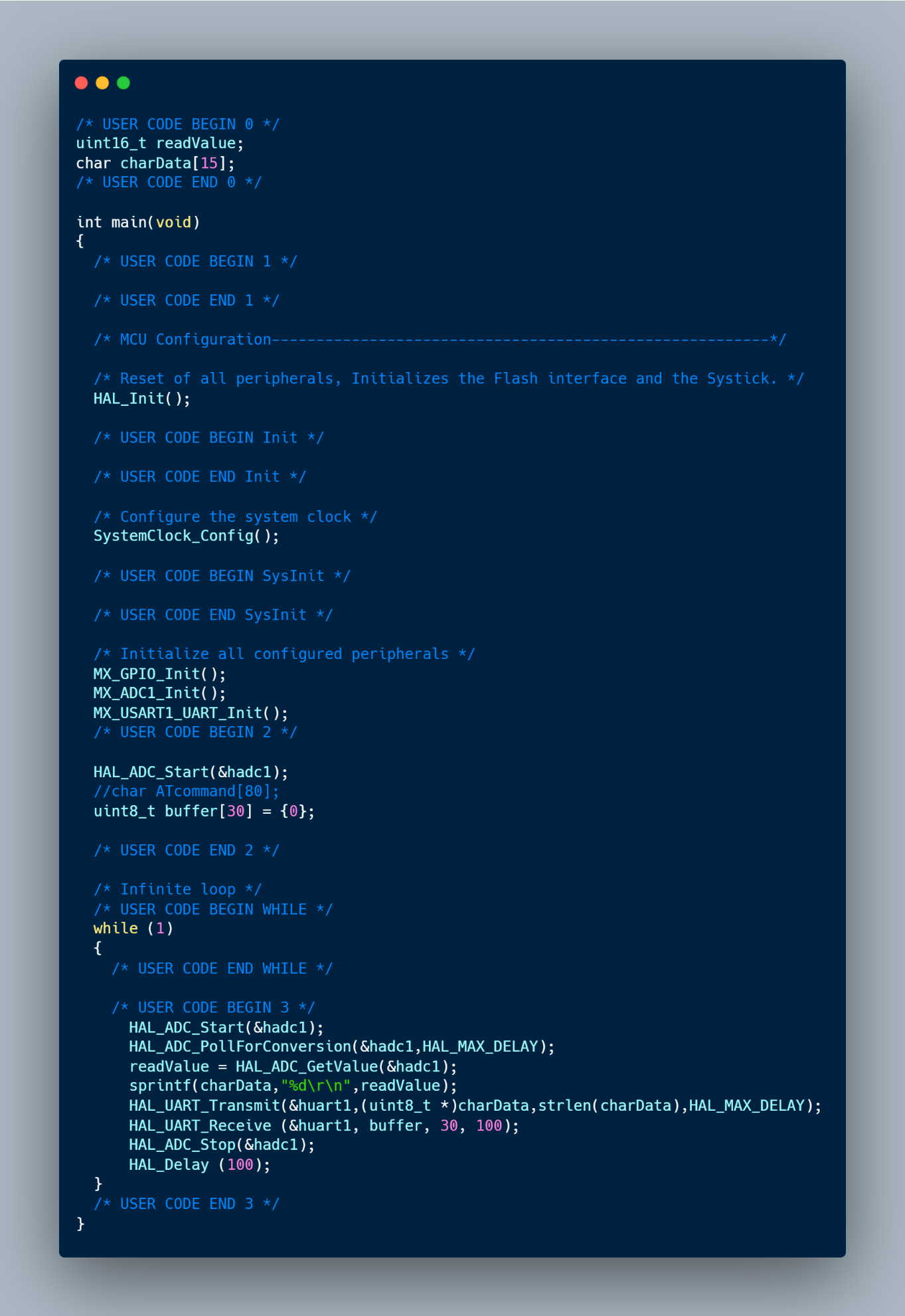
**Pin Connection:**

|  |  |
| --- | --- |
| **STM32** | **POTENTIOMETER** |
| PB1 | Signal |
| GND | GND |
| 3.3V | Positive |

**STM32CubeIDE Settings:**

* ADC1- IN9 (tick)
* Parameter Settings --> ADC Settings --> Continuous Conversion Mode (Enabled)
* Connectivity **-** USART1 – Asynchronous
* Resolution – 12 bit

* **Pollforconversion**is the easiest way to get the ADC values
* Here we will keep monitoring for the conversion in the blocking mode using **HAL\_ADC\_PollForConversion**
* Once the conversion is complete, we can read the value using **HAL\_ADC\_GetValue**
* And finally we will stop the ADC.

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