ADC(Analog to digital converter)

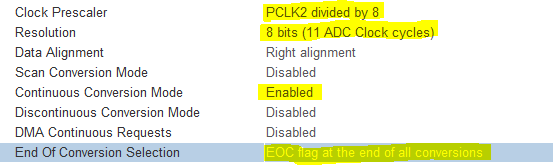
Mode:-> Continuous conversion

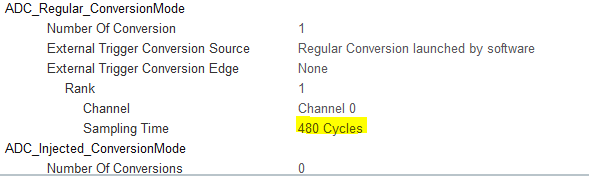
Configuration in STMCUBEMX:

1.Select SYS->serial wire.

2.Select ADC1 ->select IN0.

3. Click on configuration->analog->click on ADC1 ->click on parameter settings and make the following changes:





**NO DMA Required**

4. Now generate the code

5. Goto workbench and open main.c and make following changes

In user code begin 2 ---🡪

/\* USER CODE BEGIN 2 \*/

HAL\_ADC\_Start(&hadc1);

/\* USER CODE END 2 \*/

7. In user code begin 3 ----🡪

**while** (1)

{

/\* USER CODE END WHILE \*/

/\* USER CODE BEGIN 3 \*/

ADC\_Value = HAL\_ADC\_GetValue(&hadc1);

}

/\* USER CODE END 3 \*/

7. Compile the code and upload to board.