USB MINICOM
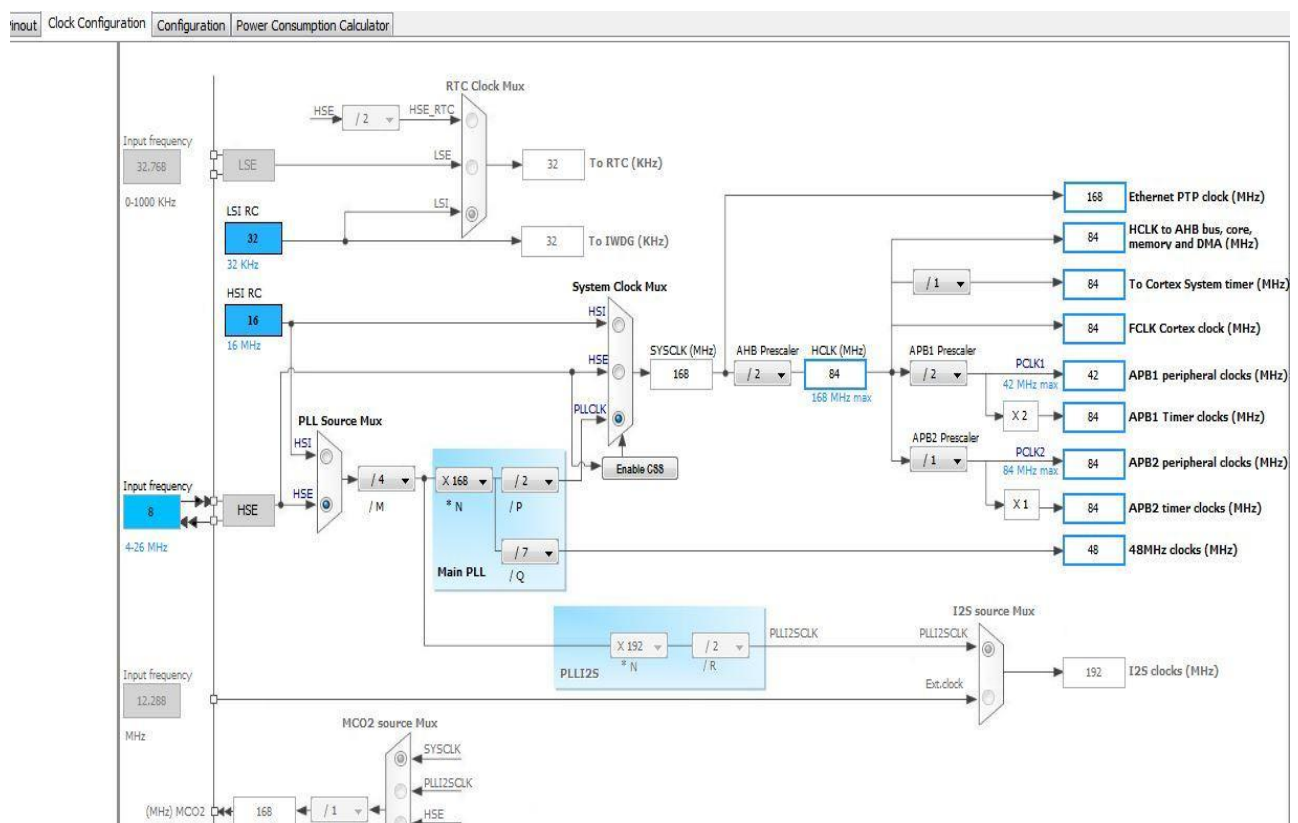
Configuration in STMCUBEMX:

1.Select SYS->serial wire.

2.Select USB_OTG_FS->select device only.

3. Select MiddleWares->USB_DEVICE->communication device class (virtual COM port).

4. Select RCC->High speed clock -> Crystal/Ceramic Resonator

5.. Click on Clock configuration->take input frequency 8MHz->Select HSE-> Select PLLCLK->take HCLK 84 MHz and ENTER.

6. Then generate code before saving make the changes in **Project Manager->Advance Settings** Heap is **0x2000** and stack **0x4000**.

7. Open main.c make the following changes in code .

8.Include header files **#include** "usbd_cdc_if.h"
                    #include "string.h"

9.Define in uint8_t Buf[30] = "This is from USB\r\n". /* USER CODE BEGIN 1 */

```
  c  main.c &
111    /* USER CODE BEGIN 2 */
112
113    /* USER CODE END 2 */
114
115    /* Infinite loop */
116    /* USER CODE BEGIN WHILE */
117    while (1)
118    {
119
120    /* USER CODE END WHILE */
121
122    /* USER CODE BEGIN 3 */
123  CDC_Transmit_FS(Buf,strlen((char*)Buf));
124  HAL_Delay(1000);
125    }
126    /* USER CODE END 3 */
127
128  }
129
130  /**
131    * @brief System Clock Configuration
132    * @retval None
133    */
```

10.Build the project and Run.