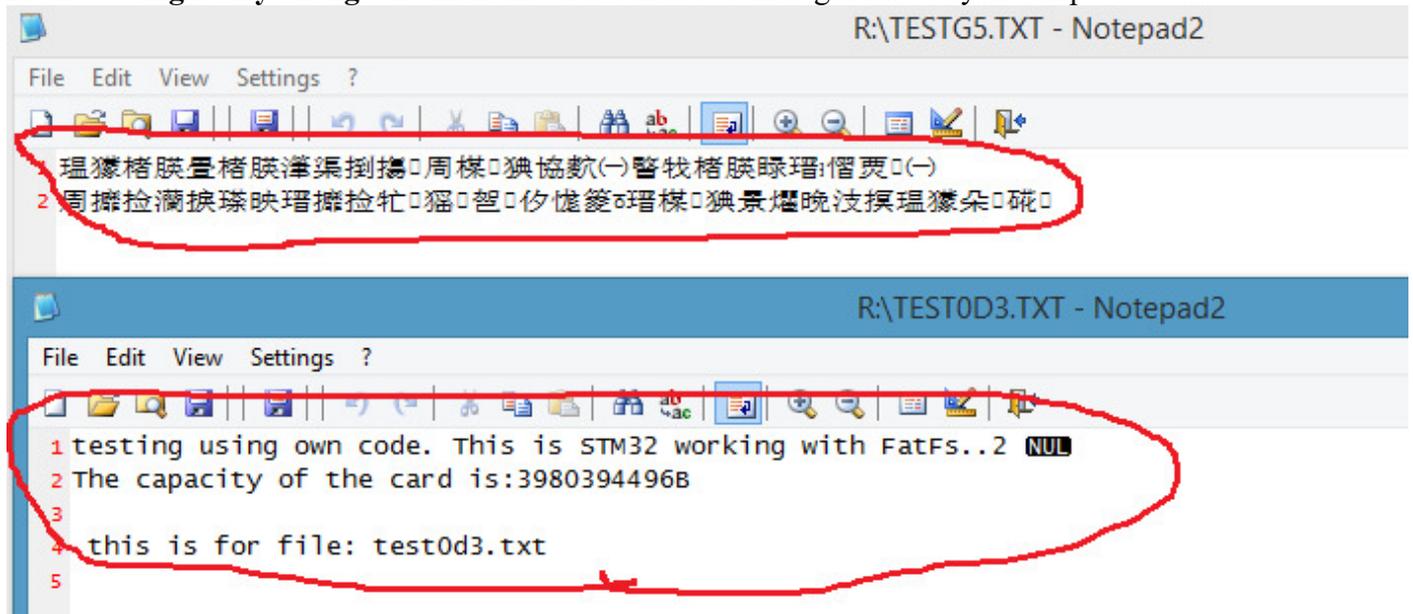


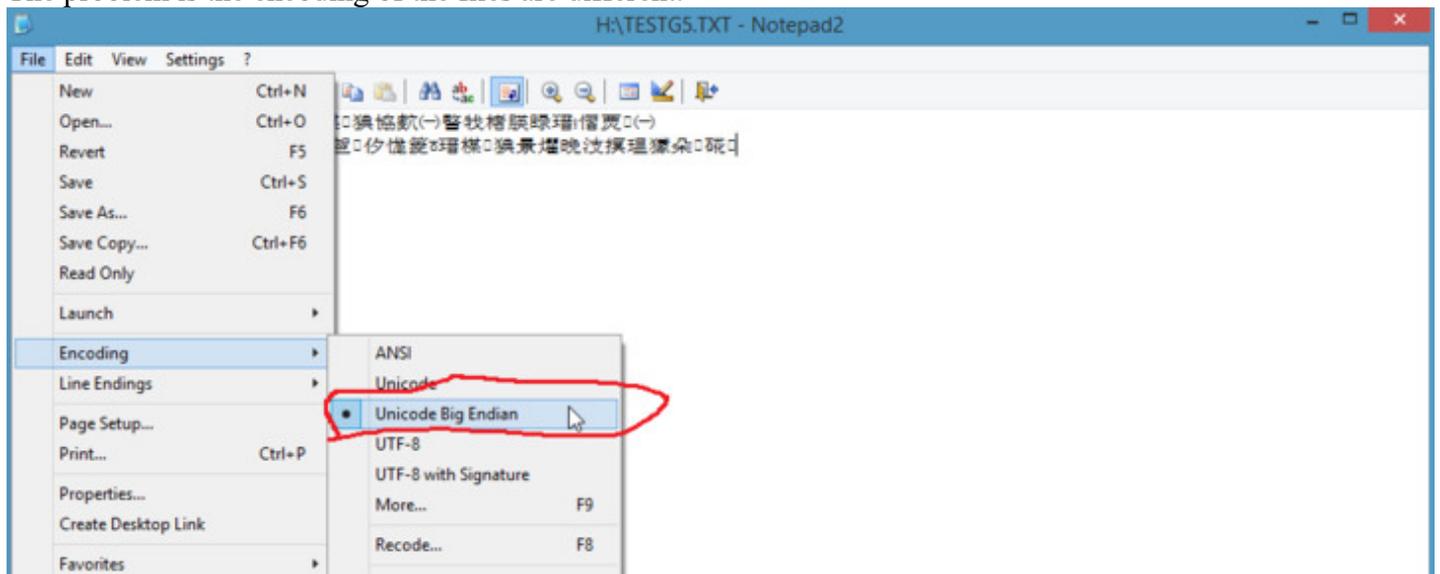
I developed a board using STM32F411 chip with uSD card. The code is generated by cubemx. only add a little bit code in main(). The hardware is OK. I can correctly write a file to sd card. But the weird thing is that the filename accepts 7 chars, not 6 chars. If I use 6 chars in the filename, the character encoding is totally different.

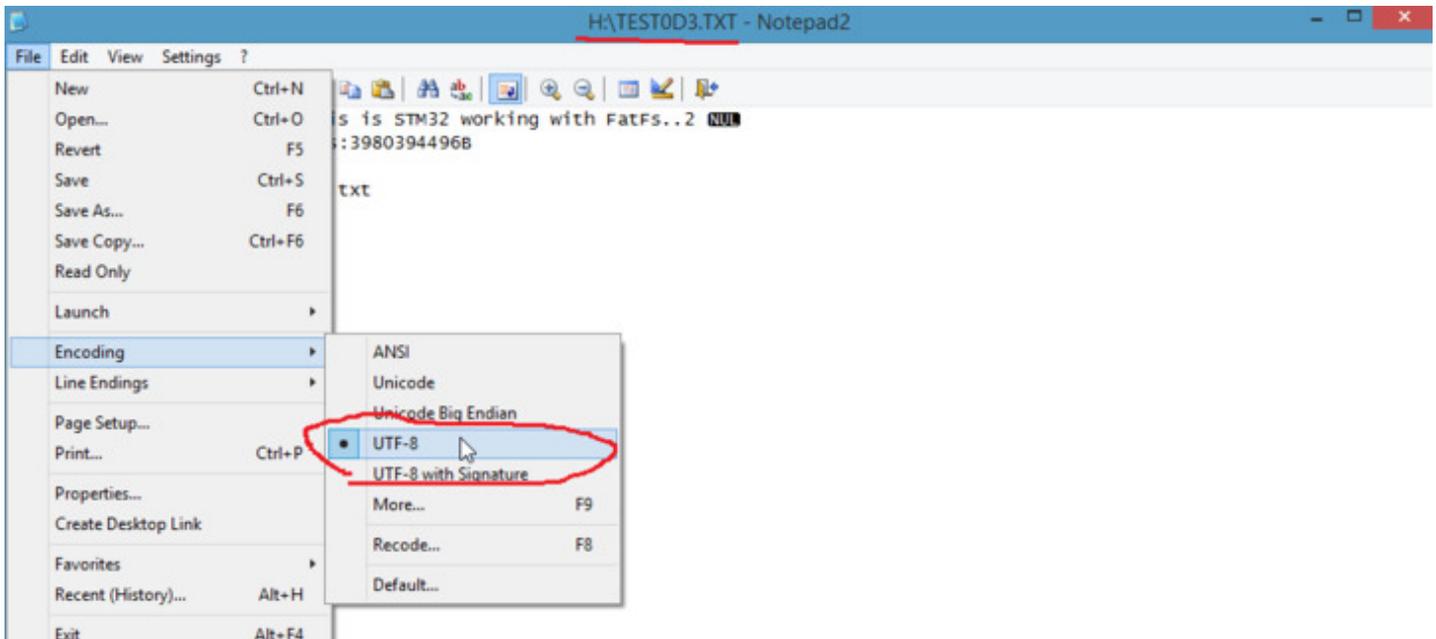
In the testing I only change the filename. I attached two files generated by the chip.



I can't read the first the characters in the first file.

The problem is the encoding of the files are different.





the thing is why the encoding are different. I didn't change anything. Actually I use ANSI in the setting.

My question is

1. **why the program uses two different encodings** for the files just because I use different filenames? The file with 7 chars in filename always uses utf-8 encoding.

2. **how to correctly set the encoding.** Actually in the file I specify it to use ANSI encoding, as in ffconf.h.

Why the program uses others?

Please help.

The two txt files and the ffconf.h are enclosed as attachment.

```
int main(void)
{
    /* USER CODE BEGIN 1 */

    /* USER CODE END 1 */

    /* MCU Configuration-----*/

    /* Reset of all peripherals, Initializes the Flash interface and the Systick. */
    HAL_Init();

    /* Configure the system clock */
    SystemClock_Config();

    /* Initialize all configured peripherals */
    MX_GPIO_Init();
    MX_DMA_Init();
    MX_SDIO_SD_Init();
    MX_TIM9_Init();
    // MX_FATFS_Init();
    MX_USB_DEVICE_Init();

    /* USER CODE BEGIN 2 */
    /* USER CODE BEGIN WHILE */
    FRESULT res;
    uint32_t byteswritten, bytesread,byteswrittentotal;
    /* FatFs function common result code */
    /* File write/read counts
*/
```