



27.1 chizma. SD-card va DS1307 modullarini Arduino ga ulanish sxemasi.

```
#include <SD.h>
File myFile;
String sfilename;
char filename [20];
const int LM335=A0; // LM335 ulanishi uchun
tmElements_t tm;
unsigned long millisl=0;
void setup()
{
}
void loop()
{
    // tekshirish 5 minut o'tdimi?
    if(millis()-millisl>5*60*1000)
    // o'tayotgan kun uchun fayl nomini olish
    sfilename=get_file_name () ;
    sfilename.toCharArray (filename, 20);
    // faylni ochish va yaratish
    myFile = SD.open (filename, FILE_WRITE);
    // poluchit temperaturu
    double val = analogRead(lm335); // o'qish
    double voltage = val*5.0/1024; // voltga o'zgartirish
    doubletemp = voltage*100 - 273.15; // Selsiy gradusida
    // vaqtni olish N:t
    // fayl uchun yozuv hosil qilish
```