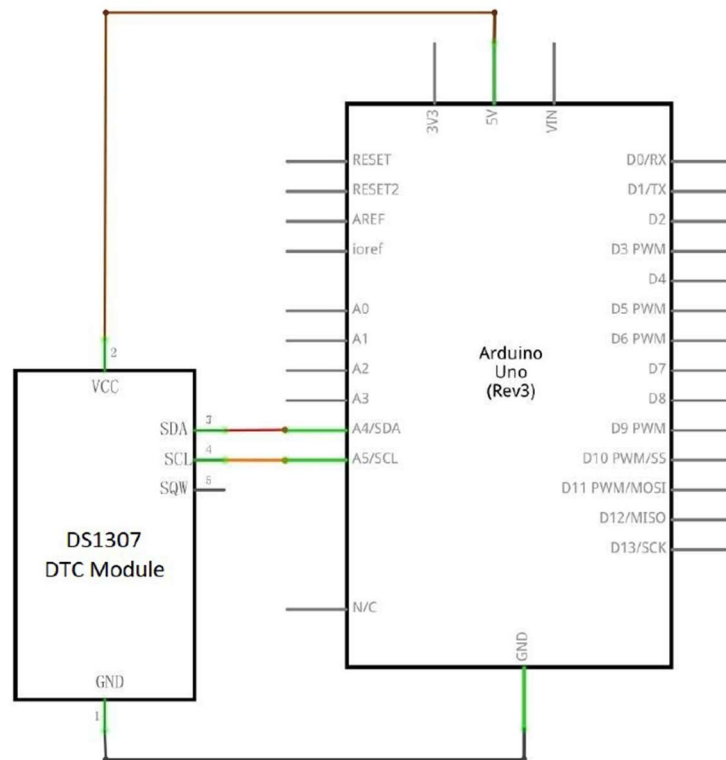# Arduino Data Acquisition System

RTC or DS1307 connection:

- Connect the Real time clock module to Arduino UNO as per the connection diagram below.
    - VDD -> 5V
    - GND -> GND
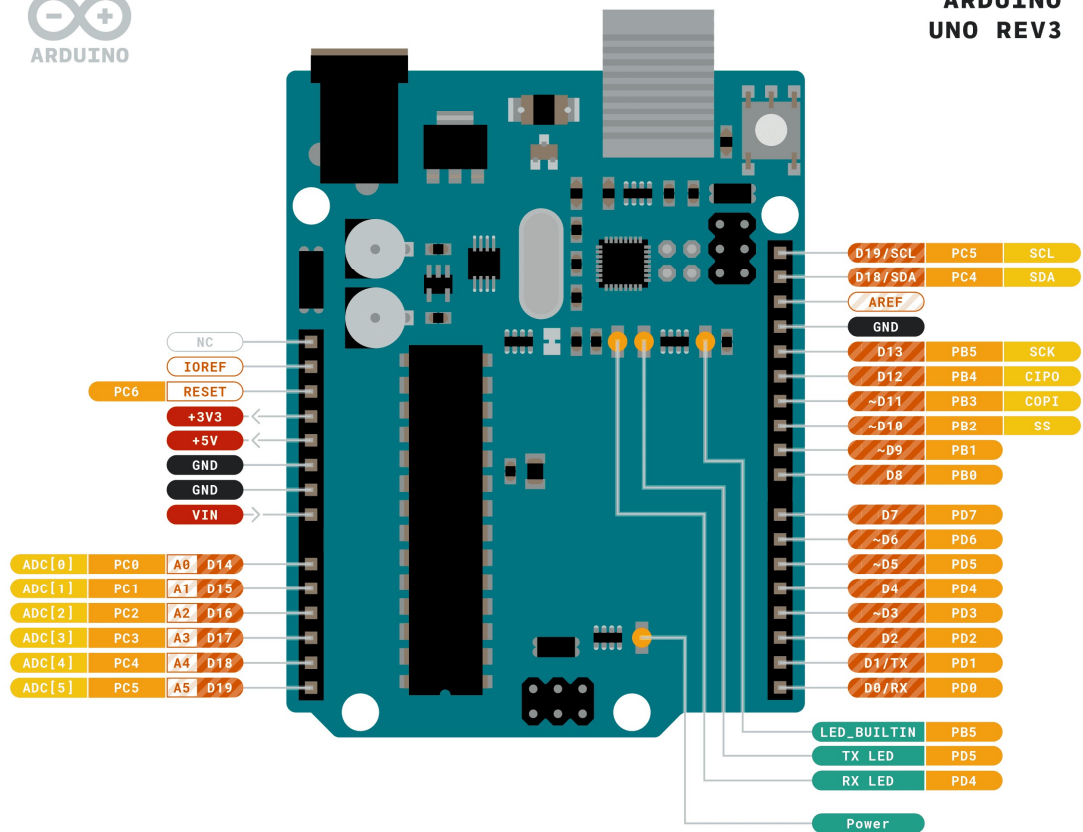   - SDA -> A4
    - SCL -> A5

SD Card module with Arduino UNO:

- Format the SD Card into FAT32
- Connect the SD Card module with Arduino with appropriate pins
    - VDD -> 5V
    - GND -> GND
    - MISO -> 12
    - MOSI -> 11
    - SCK -> 13
    - CS(Chip Select) – Digital Pin 4
- Test the SD Card setup
    - File->Examples->SD->CardInfo (Baud rate – 9600)

Fig: Arduino Pinout for SCK, MISO, MOSI pins reference

Data(DHT11):

DHT Library by Adafruit