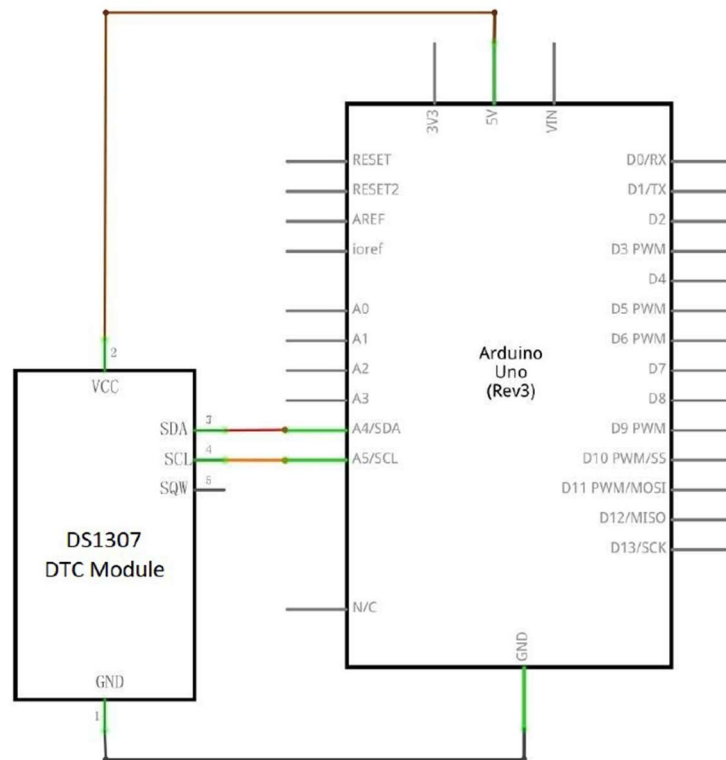


## Arduino Data Acquisition System

### 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

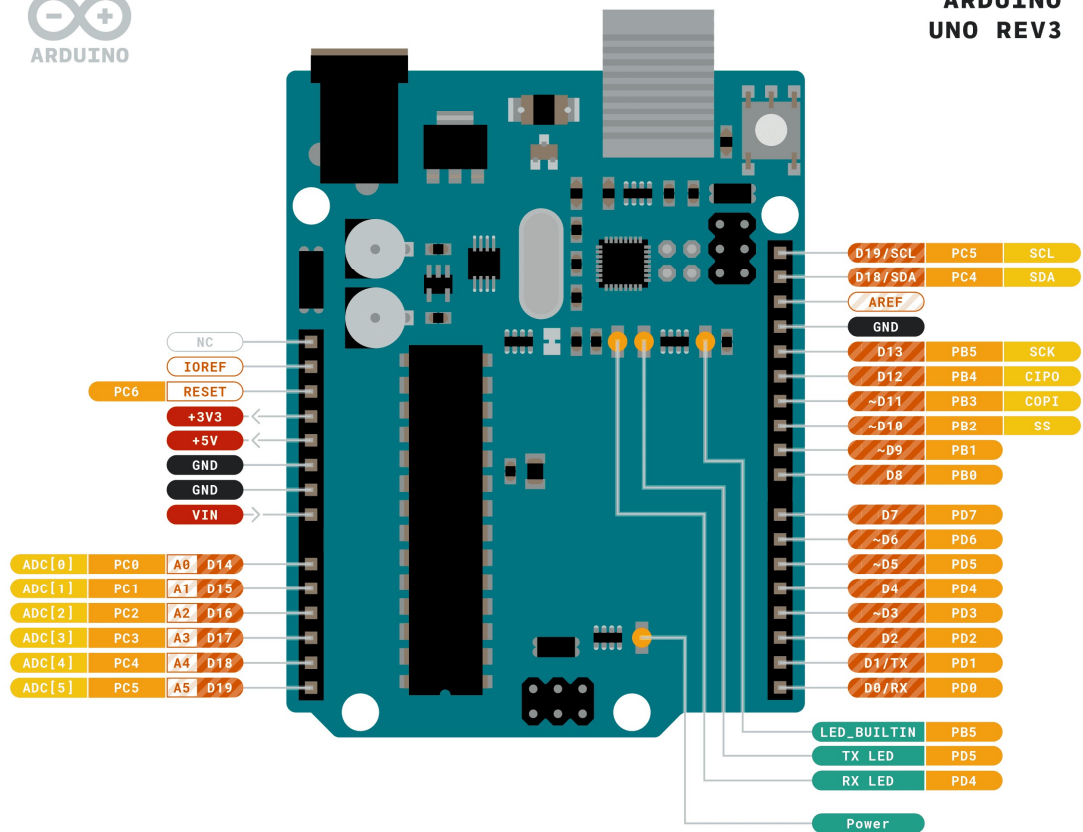


### SD Card module with Arduino UNO:

- 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)



## ARDUINO UNO REV3



	Ground		Internal Pin		Digital Pin		Microcontroller's Port
	Power		SWD Pin		Analog Pin		
	LED		Other Pin		Default		

ARDUINO.CC



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

### Data(DHT11):

DHT Library by Adafruit

