The Cron job

What's the meaning of Cron?

Cron is a time-based job scheduler, which we use to run jobs periodically at fixed times and dates.

What are the arguments that the add_job() method can take ? (Cron case)?

1- **year**: (int or str) – 4-digit year → example: year= 2018 or year='2018'
2- **month**: (int or str) – starts from 1 to 12 → example: month='1' or **month** = 1 (case of January).
3- **week**: (int or str) - starts from 1 to 53, because for each year we almost have 53 week → example: week= 1 means the first week on the current year.
4- **day_of_week**: (int or str):
    a. starts from 0(Monday) to 6 (Sunday)
    b. example:
        i. day_of_week= 'mon-tue' or day_of_week= '0-1'
        ii. ~~day_of_week = 'sun-mon' or day_of_week = '6-0'~~ this example won't work, because the start day must always be inferior than the end day (6>0).
5- **hour**: (int|str) – always use 24 hour clock (0-23) → example hour='17' or hour= 17
6- **minute**: (int|str) – (0-59)→ example minute='30' or hour= 30
7- **second**: (int|str) – (0-59)→ example second='40' or hour= 40