

# Documentation

## For program “Cron”

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### *1.Introduction*

This program created on OS Linux, and work only on Linux. The main ideas of this program is:

- Program for creating and run task, with timer
- Code must be written in procedural style
- Code must be multiprocces

The main lib's:

- Celery[redis]
- Psutils

For correct work of Celery, you need install Redis server, instruction you will see on next carpet “Install”.

### *2.Install*

For install you must write into your terminal:

```
$ git clone https://github.com/Valg1s/cron
```

If you don't have a Redis server, you can download on official web site of Redis:

<https://redis.io/>

<https://redis.io/download/>

After that, if you don't have libraries , wrote before, you need write:

```
$ source venv/bin/activate
```

When it's already done, or you already have this lib's on your PC,and Redis server is ran you can work with this program.

### 3.Main commands

For see all command/flags/args you should write:

```
$ python cron.py -h
```

After that, on your terminal you will see that:

```
└─$ python cron.py -h
python/py cron.py [flag] [atr]
python/py cron.py - create in folder 'crontabs' special files for all users
-l - check all your tasks
-r - delete all your tasks
-a - add new task
-e [number] - if have number,change task with this number,
              if not all your tasks
-h - help info about this program
```

For first time you need write command:

```
$ python cron.py
```

It's create crontabs for all users. After adding tasks , this command will be start program.

When you wrote this command, you should add your task, for this you should write:

```
$ python cron.py -a
```

After that, you will see:

```
└─$ python cron.py -a
Minutes(from 1 to 59 or * if nothing): *
Hours(from 0 to 23 or * if nothing): *
Day of month(from 1 to 31 or * if nothing): *
Month(from 1 to 12 or * if nothing): *
Day of weak(from 1 to 7 or * if nothing): *
Your command: echo Hello World
```

If you want to check your crontab tasks, you should write:

```
$ python cron.py -l
```

After that, you will see:

```
└─$ python cron.py -l
* * * * * anton echo Hello
```

For redact some task, you can write:

```
$ python cron.py -e [arg: number ]
```

Optional argument – number of task, if exist must me int type.

After this command you will redact your task.

For delete all tasks , you can use command:

```
$ python cron.py -r
```

It's all function. Thanks for reading.