Deploying a Scheduler App on Heroku

The steps to deploy a scheduler app on Heroku is as follows:

- Install Heroku for your OS
- Log into Heroku CLI with your credentials

```
$ heroku login -i
```

- Create an application in Heroku

```
$ heroku create
```

```
$ heroku git:remote -a app-name
```

- Navigate to local code-repository (OR pull from this repository) that contains the following files
  - A **`handler`** file that initiates the scheduler (here, APScheduler library is being used)
  - The **`Procfile`** defines the process type and follows the format (for Python):

```
process-name: python handler.py
```

- Commit (Git) everything to your remote

```
$ git init
```

```
$ git add .
```

```
$ git commit -m "code commit: scheduler"
```

```
$ git push heroku master
```

- Scaling-up: the process needs to be scaled up on Heroku in order for the scheduler to start

```
$ heroku ps:scale process-name=1 -a app-name
```

- Check the status of the processes of a deployed app

```
$ heroku ps -a app-name
```

- Check the view/ logs of the process by:
  - **`https://app-name.herokuapp.com`**
  - ```
    $ heroku logs --tail -a app-name
    ```
- Stop a dyno/process by executing:

  ```
  $ heroku ps:stop process-name.1 -a app-name
  ```

  - Note: Running **`ps:stop`** on dynos that are part of a scaled process will automatically be restarted (reference)
- To **permanently stop dynos**, scale down the process by executing:

  ```
  $ heroku ps:scale process-name=0 -a app-name
  ```
  ```