**Core Flask**

* **Installation** :

1. pip install Flask
2. pip install Flask-SQLAlchemy
3. pip install Flask-Migrate
4. pip install Flask-WTF (Create Form by using this)
5. pip install Flask-Login (They Give User object and table)
6. pip install Flask-Bcrypt (Password encription)
7. pip install Flask-Mail (Send Email)
8. pip install email-validator (Email validation)
9. pip install python-dotenv (To get .env file variables)
10. pip install psycopg2 (Postgresql Connection)

* **Set Env variable :**
* set FLASK\_ENV=development

**OR**

* You can load **.env** file and describe **FLASK\_ENV**, **DEBUG**,etc.. In it then flask automatic load this variables from **.env** file.
* **Run Flask Application :**
* There are two way to run application.

**[1]. First Way :**

**hello.py :**

**from** flask **import** Flask  
  
app = Flask**(**\_\_name\_\_**)**  
  
**@app**.route**(**"/"**)**  
**def** hello\_world**():**  
 **return** "<p>Hello, World!</p>"

* **export FLASK\_APP=hello** (file\_name)
* **flask run**

**[2]. Second Way :**

* **Create app.py file..Flask automatic detect this file and run the server.**

**App.py :**

from crud import app

from dotenv import load\_dotenv

if \_\_name\_\_ == '\_\_main\_\_':

load\_dotenv('.env')

app.run()

* flask run

**.env file :**

DEBUG=True

FLASK\_ENV=development

SECRET\_KEY = 9asdf8980as8df9809sf6a6ds4f3435fa64$Gggd76HSD57hs@SDnb

DATABASE\_URL = postgresql://postgres:1234@localhost:5432/crud

MAIL\_USERNAME = \*\*\*\*\*\*

MAIL\_PASSWORD = \*\*\*\*\*\*

* **Flask Migrations :**
* Create a migration repository with the following command:

1. flask db init

* Generate an init+ial migration:

1. flask db migrate -m "Initial migration."

* Then you can apply the migration to the database:

1. flask db upgrade

* Delete all tables :

1. flask db downgrade