## Using the service in local

In order to use prediction service locally, it should be activated in your machine. A way to do is activating the container as described in *Using\_Pipfile\_and\_Dockerfile.pdf*. An alternative is to move into the local service folder in command line and type:

```
python predict.py
```

that will yield such a screen:

Next step is to reach this service. For it, use the the *predict-test.ipynb* file that is in *local service* folder.

```
+ Markdown
                                             Python 3.9.5 64-bit ('midterm_project-TBMLFfwK': pipenv)
  Code
                      > Run All
\triangle
           import requests
         0.6s
                                                                                      Python
        1 url = 'http://localhost:9696/predict'
                                                                                      Python
           building = {"compactness": 0.9,
        2
                    "surface area": 563.5,
                                                       Set these
        3
                    "wall_area": 318.5,
                                                       parameters
        4
                    "roof_area": 122.5,
        5
                    "height": 7.0,
        6
                    "orientation": 5.0,
                    "glazing_area": 0.4,
        8
                    "glazing distribution": 4.0}
         0.1s
                                                                                      Python
>
           response = requests.post(url, json=building).json()
        3 print(response)
                                                                                      Python
                                              ← Results
      'cooling': 35.88, 'heating': 36.23}
```

Alternatively, you can modify the <u>predict-test.py</u> file (in the same folder) by setting building parameters in your editor as you wish and run it with:

```
python predict-test.py
```

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