Manual FHIR Fighters

FHIR Interface To Link To Death Data

Team members:
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GitHub link:
https://github.gatech.edu/gt-hit-fall2016/FHIR-Interface-to-Link-Death-Data

Introduction

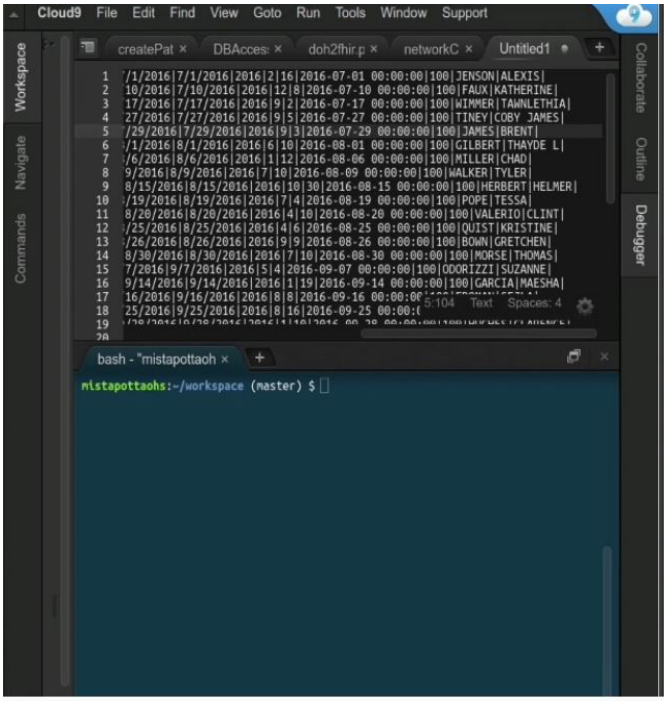
Our Application is a CLI program that gets the deceased provider records from DOHMPI (Department of Health Master Person Index) Postgres SQL server for various user defined criteria's and updates the FHIR server.

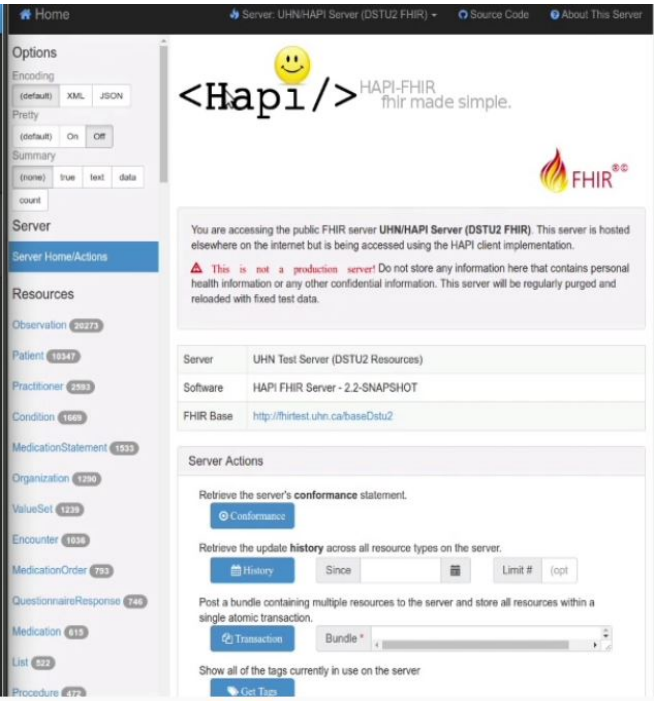
Pre-requisite steps to run the Application

Make sure createPatient.py, DBAccessor.py, doh2fhir.py, and networkConstants.py are in the same folder. Open networkConstants.py in a text editor and make sure the fields for the PostgreSQL server and FHIR server are set. OAuth2 is not yet supported in the client.

Running the Application

We are going to take Department of Health database and update the FHIR Server.

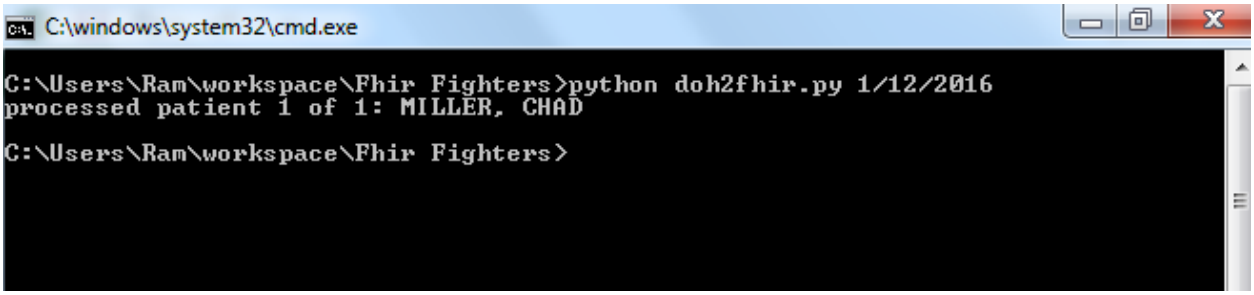




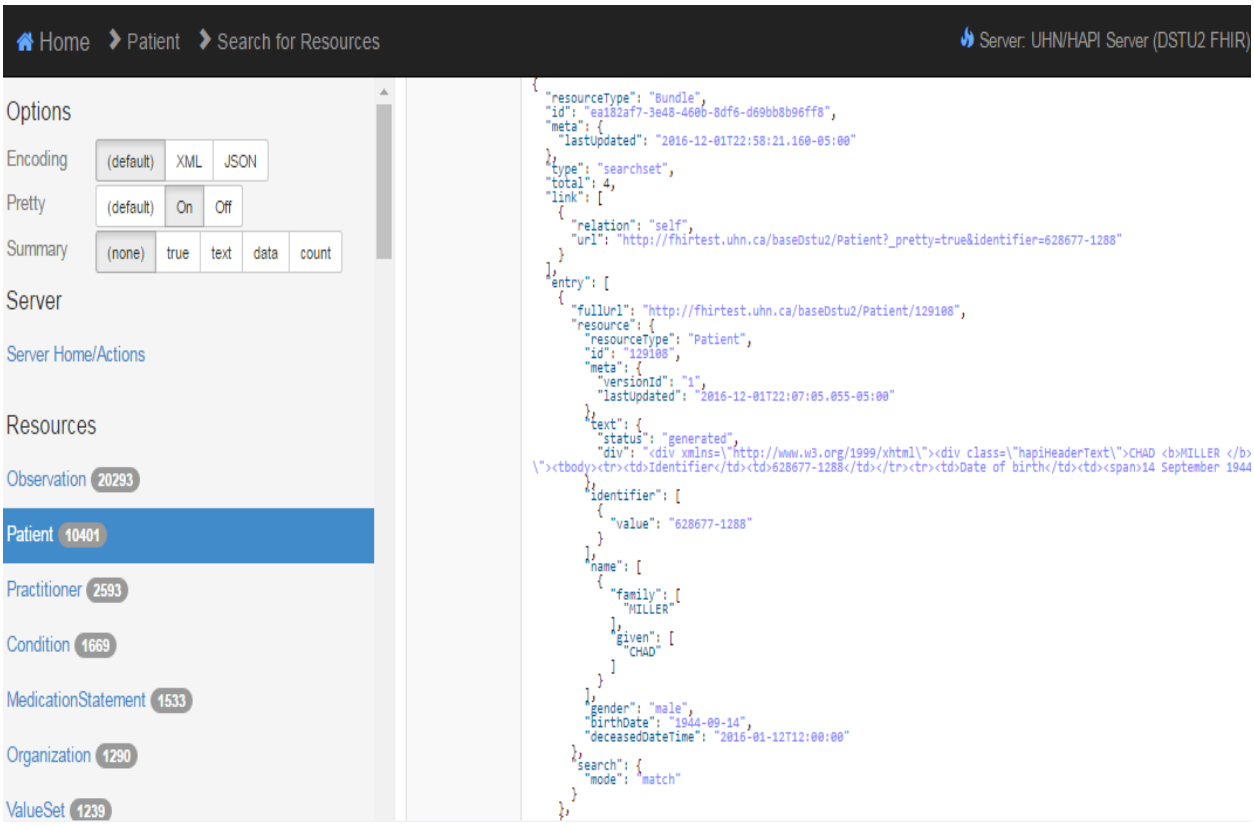
1. **Processes all providers for the indicated date.**

   python doh2fhir.py mm/dd/yyyy

   For Example, typing python doh2fhir.py 01/12/2016 in the command prompt we get,



   In fhirserver, the record is added as below,



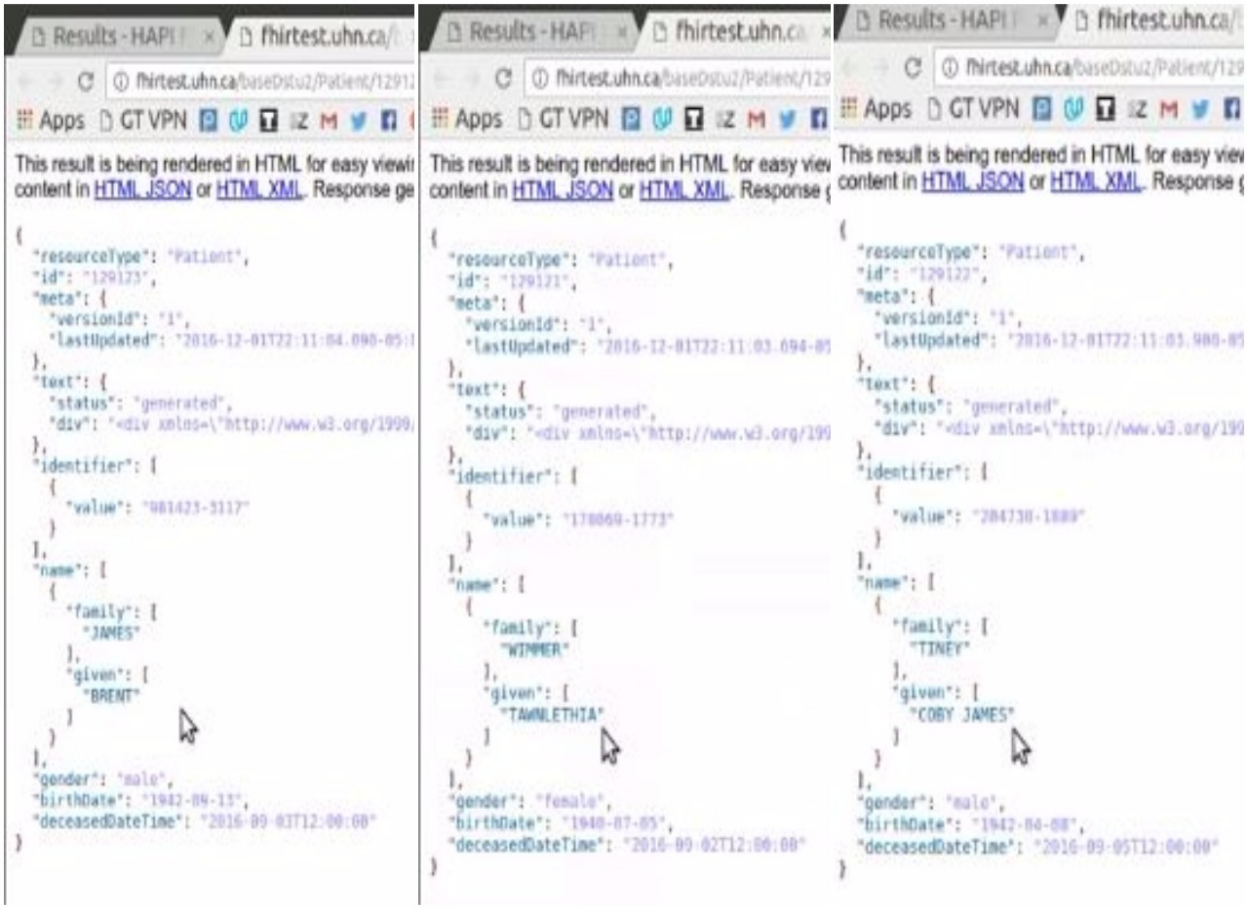
2. **<u>Processes all providers for dates in the indicated range (from start date to end date).</u>**

python doh2fhir.py mm/dd/yyyy mm/dd/yyyy

For Example, typing python doh2fhir.py 09/2/2016 9/05/2016 we get,

```
nistapottaohs:~/workspace (master) $ python doh2fhir.py 9/2/2016 9/5/2016
processed patient 1 of 3: WIMMER, TAWNLETHIA
processed patient 2 of 3: TINEY, COBY JAMES
processed patient 3 of 3: JAMES, BRENT
nistapottaohs:~/workspace (master) $
```

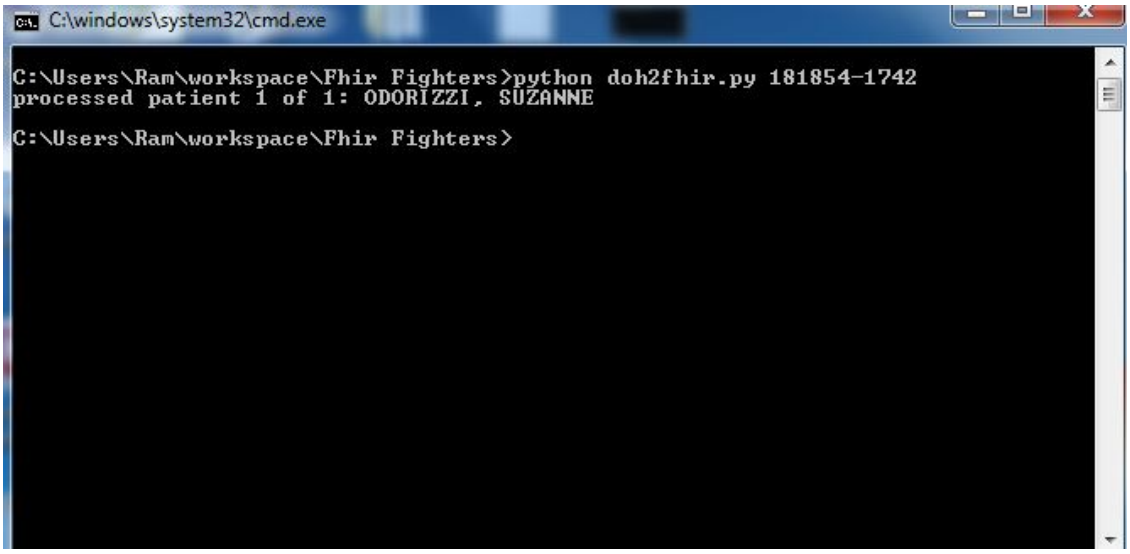
On looking at the recently updated last three records in the FHIR Server we get,



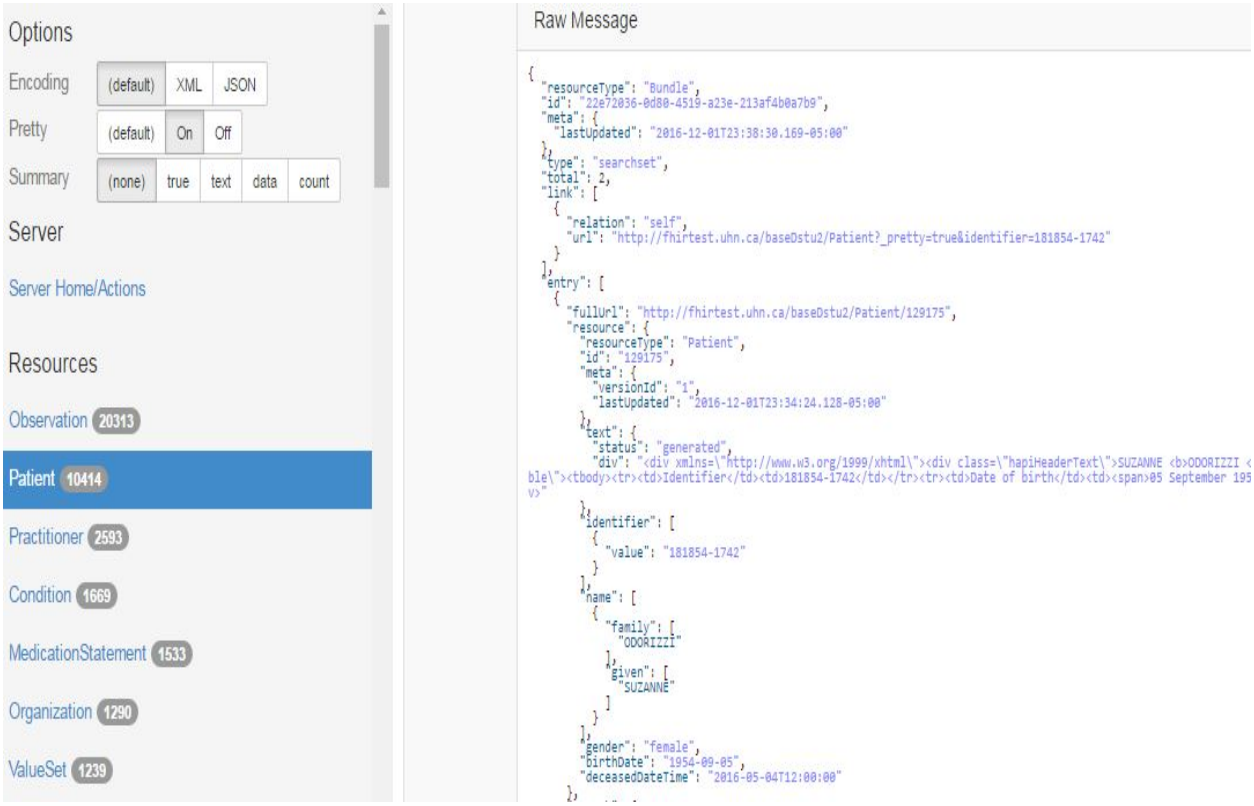
3. **Process the provider with the indicated provider number**.

   python doh2fhir.py providernumber

   For Example python doh2fhir.py 181854-1742 we get,



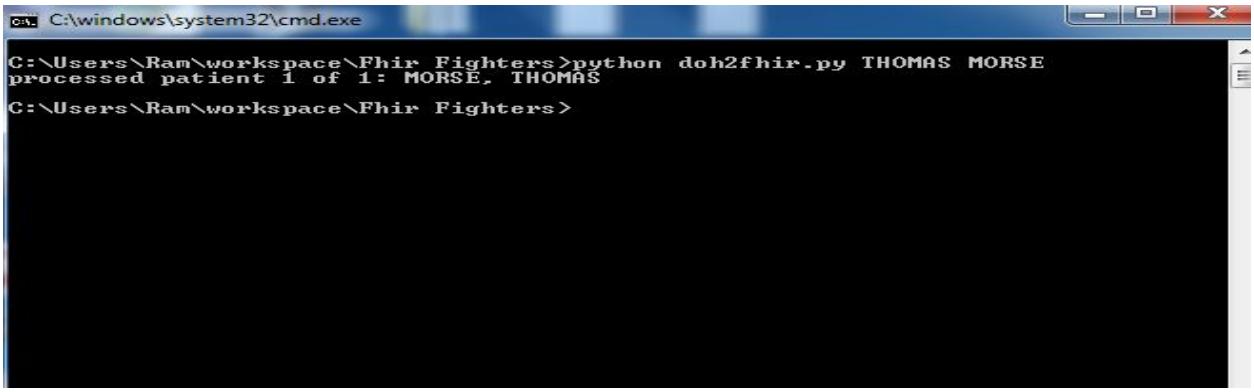
   In fhirserver, the record is added as below,



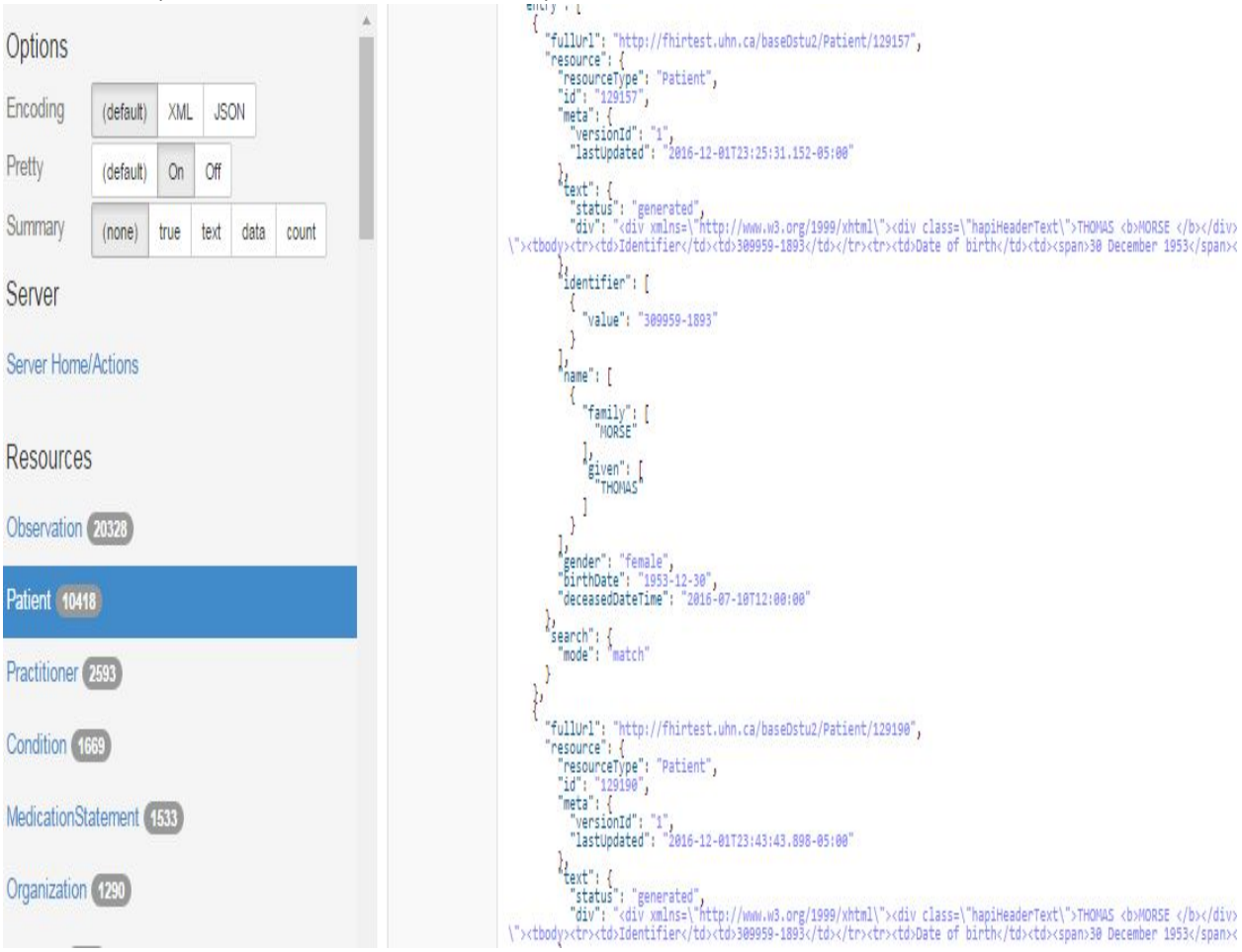
4. **<u>Processes the provider with the indicated first and last name</u>**.

   python doh2fhir.py fname lname

   For Example, typing python doh2fhir.py THOMAS MORSE we get



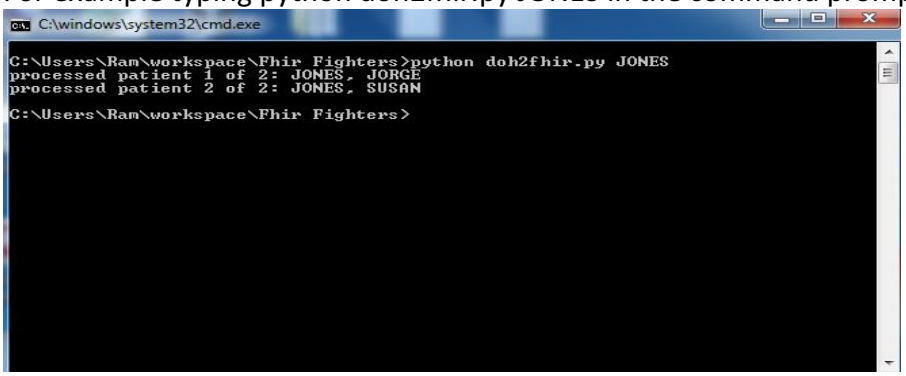
   In fhirserver, the record is added as below,



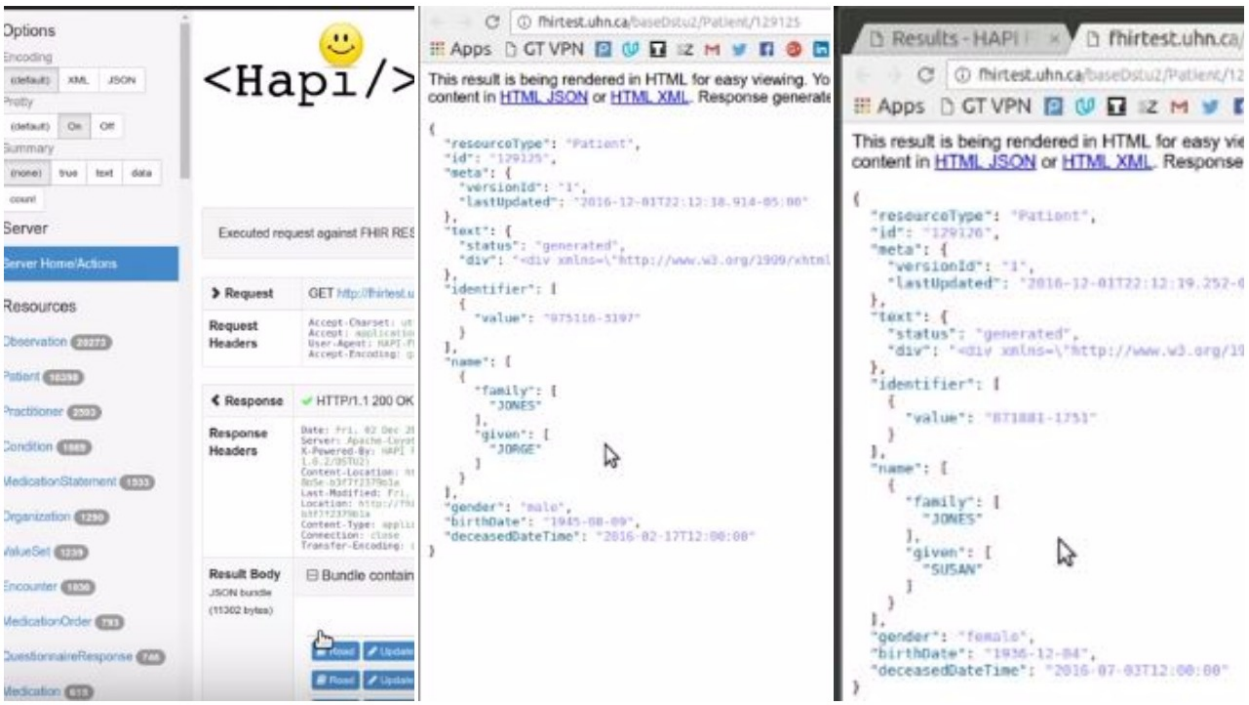
5. **<u>Processes all providers with the indicated last name</u>**.

python doh2fhir.py lname

For example typing python doh2fhir.py JONES in the command prompt we get,



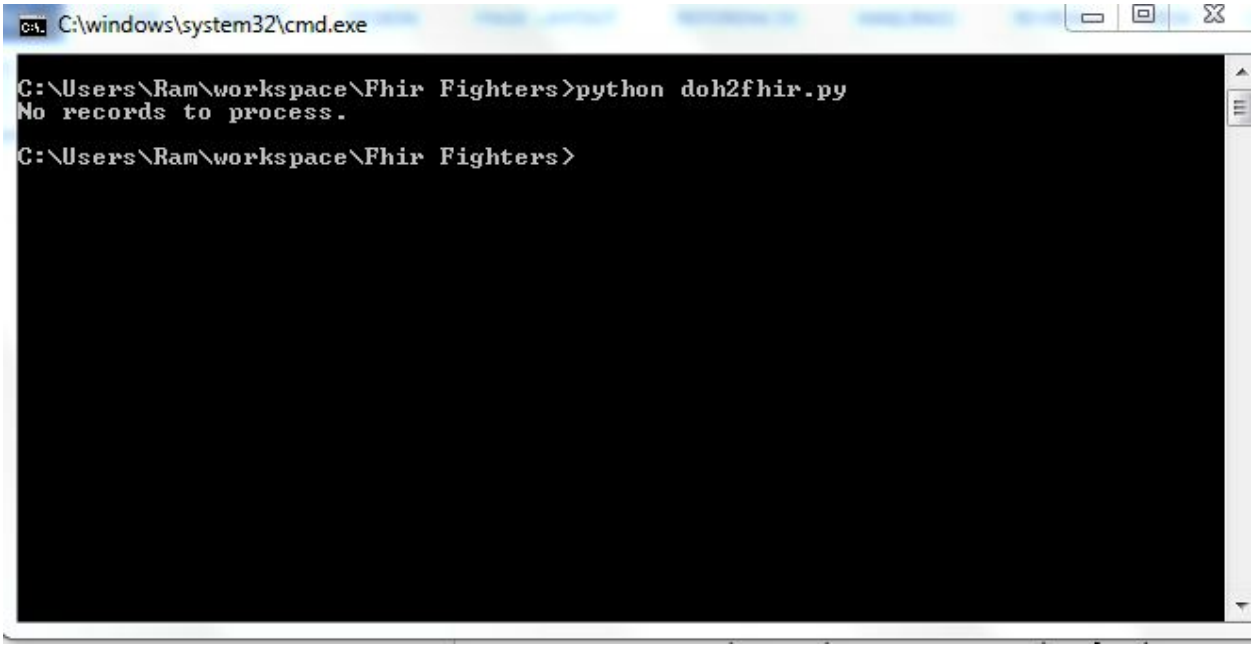
On looking at the recently updated last two records in the Fhirserver we get,



6. **Processes all providers for the current date.**

python doh2fhir.py

For Example typing python doh2fhir.py in the command prompt we get,



(*Since there are no providers for the current date it shows "No Records to process"*)