

Compte rendu

FOAF

Friend of a Friend

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Alain Bouju

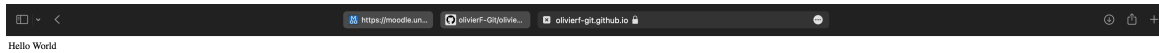
27 septembre 2022

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Exercice 1 :

Grace à la documentation, j'ai pu créer mon repository GitHub me permettant d'avoir accès à ma homepage.

Voici le résultat obtenu suite à ce tutoriel



Afin de générer mon faof.rdf, j'ai utilisé ce site web.

Voici le rendu :

```
<rdf:RDF
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
  xmlns:foaf="http://xmlns.com/foaf/0.1/"
  xmlns:admin="http://webns.net/mvcb/"
  <foaf:PersonalProfileDocument rdf:about="">
    <foaf:maker rdf:resource="#me"/>
    <foaf:primaryTopic rdf:resource="#me"/>
    <admin:generatorAgent rdf:resource="http://www.ldodds.com/foaf/foaf-a-matic"/>
    <admin:errorReportsTo rdf:resource="mailto:leigh@ldodds.com"/>
  </foaf:PersonalProfileDocument>
  <foaf:Person rdf:ID="me">
    <foaf:name>Olivier FRANCOU</foaf:name>
    <foaf:title>M</foaf:title>
    <foaf:givenname>Olivier</foaf:givenname>
    <foaf:family_name>FRANCOU</foaf:family_name>
    <foaf:nick>olivierF-Git</foaf:nick>
    <foaf:mbox_sha1sum>b6a67916d2a4d09ec9d8dd92bc7ac961364ff599</foaf:mbox_sha1sum>
    <foaf:homepage rdf:resource="https://olivierF-Git.github.io"/>
    <foaf:phone rdf:resource="tel:0679834284"/>
    <foaf:schoolHomepage rdf:resource="https://www.univ-larochelle.fr"/>
    <foaf:knows>
      <foaf:Person>
        <foaf:name>Erwan THIBAUT</foaf:name>
        <foaf:mbox_sha1sum>9e6da3033f028aaf513221b29db712fc4e2a51d0</foaf:mbox_sha1sum>
        <foaf:phone rdf:resource="tel:0692124851"/>
      </foaf:Person>
    </foaf:knows>
    <foaf:knows>
      <foaf:Person>
        <foaf:name>Romain POYVAULT</foaf:name>
        <foaf:mbox_sha1sum>878e7525adc29e0d28e7082c3e952d53ff9b415c</foaf:mbox_sha1sum>
      </foaf:Person>
    </foaf:knows>
  </foaf:Person>
</rdf:RDF>
```

Après vérification sur le site donnée, nous pouvons voir que notre fichier rdf est réalisé comme il faut.

Your RDF document validated successfully.

Triples of the Data Model

Number	Subject	Predicate	Object
1	http://www.w3.org/RDF/Validator/run/1664280469526	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	http://xmlns.com/foaf/0.1/PersonalProfileDocument
2	http://www.w3.org/RDF/Validator/run/1664280469526	http://xmlns.com/foaf/0.1/maker	http://www.w3.org/RDF/Validator/run/1664280469526#me
3	http://www.w3.org/RDF/Validator/run/1664280469526	http://xmlns.com/foaf/0.1/primaryTopic	http://www.w3.org/RDF/Validator/run/1664280469526#me
4	http://www.w3.org/RDF/Validator/run/1664280469526	http://webns.net/mvcb/generatorAgent	http://www.ldodds.com/foaf/foaf-a-matic
5	http://www.w3.org/RDF/Validator/run/1664280469526	http://webns.net/mvcb/errorReportsTo	mailto:leigh@ldodds.com
6	http://www.w3.org/RDF/Validator/run/1664280469526#me	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	http://xmlns.com/foaf/0.1/Person
7	http://www.w3.org/RDF/Validator/run/1664280469526#me	http://xmlns.com/foaf/0.1/name	Olivier FRANCOU
8	http://www.w3.org/RDF/Validator/run/1664280469526#me	http://xmlns.com/foaf/0.1/title	"M"
9	http://www.w3.org/RDF/Validator/run/1664280469526#me	http://xmlns.com/foaf/0.1/givenname	"Olivier"
10	http://www.w3.org/RDF/Validator/run/1664280469526#me	http://xmlns.com/foaf/0.1/family_name	"FRANCOU"
11	http://www.w3.org/RDF/Validator/run/1664280469526#me	http://xmlns.com/foaf/0.1/nick	"OlivierF-Git"
12	http://www.w3.org/RDF/Validator/run/1664280469526#me	http://xmlns.com/foaf/0.1/mbox_sha1sum	"b6a67916d24d09ec9d8d492bc7ac961364ff599"
13	http://www.w3.org/RDF/Validator/run/1664280469526#me	http://xmlns.com/foaf/0.1/homepage	https://olivierf-git.github.io/
14	http://www.w3.org/RDF/Validator/run/1664280469526#me	http://xmlns.com/foaf/0.1/phone	tel:0679834284
15	http://www.w3.org/RDF/Validator/run/1664280469526#me	http://xmlns.com/foaf/0.1/schoolHomepage	https://www.univ-larochelle.fr/
16	genid:A3225	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	http://xmlns.com/foaf/0.1/Person
17	http://www.w3.org/RDF/Validator/run/1664280469526#me	http://xmlns.com/foaf/0.1/knows	genid:A3225
18	genid:A3225	http://xmlns.com/foaf/0.1/name	"Erwan TBIAUT"
19	genid:A3225	http://xmlns.com/foaf/0.1/mbox_sha1sum	"9e6da3033f028aaf513221b29db712fc4e2a51d0"
20	genid:A3225	http://xmlns.com/foaf/0.1/phone	tel:0692124851
21	genid:A3226	http://www.w3.org/1999/02/22-rdf-syntax-ns#type	http://xmlns.com/foaf/0.1/Person
22	http://www.w3.org/RDF/Validator/run/1664280469526#me	http://xmlns.com/foaf/0.1/knows	genid:A3226
23	genid:A3226	http://xmlns.com/foaf/0.1/name	"Romain POTAUILL"
24	genid:A3226	http://xmlns.com/foaf/0.1/mbox_sha1sum	"878e7525adc29e0d28e7082c3e952d53ff9b415c"

Exercice 2 :

Après plusieurs essais, j'ai finalement réussi à faire fonctionner rdf avec xhtml.

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="foafHtml.xsl"?>
<rdf:RDF
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
  xmlns:foaf="http://xmlns.com/foaf/0.1/"
  xmlns:admin="http://webns.net/mvcb/">
  <foaf:PersonalProfileDocument rdf:about="">
    <foaf:maker rdf:resource="#me"/>
    <foaf:primaryTopic rdf:resource="#me"/>
    <admin:generatorAgent rdf:resource="http://www.ldodds.com/foaf/foaf-a-matic"/>
    <admin:errorReportsTo rdf:resource="mailto:leigh@ldodds.com"/>
  </foaf:PersonalProfileDocument>
  <foaf:Person rdf:ID="me">
    <foaf:name>Olivier FRANCOU</foaf:name>
    <foaf:title>M</foaf:title>
    <foaf:givenname>Olivier</foaf:givenname>
    <foaf:family_name>FRANCOU</foaf:family_name>
    <foaf:nick>olivierF-Git</foaf:nick>
    <foaf:mbox_sha1sum>b6a67916d2a4d09ec9d8dd92bc7ac961364ff599</foaf:mbox_sha1sum>
    <foaf:homepage rdf:resource="https://olivierF-Git.github.io"/>
    <foaf:phone rdf:resource="tel:0679834284"/>
    <foaf:schoolHomepage rdf:resource="https://www.univ-larochelle.fr"/>
    <foaf:knows>
      <foaf:Person>
        <foaf:name>Erwan THIBAUT</foaf:name>
        <foaf:mbox_sha1sum>9e6da3033f028aaf513221b29db712fc4e2a51d0</foaf:mbox_sha1sum>
        <foaf:phone rdf:resource="tel:0692124851"/>
      </foaf:Person>
    </foaf:knows>
    <foaf:knows>
      <foaf:Person>
        <foaf:name>Romain POYAUULT</foaf:name>
        <foaf:mbox_sha1sum>878e7525adc29e0d28e7082c3e952d53ff9b415c</foaf:mbox_sha1sum>
      </foaf:Person>
    </foaf:knows>
  </foaf:Person>
</rdf:RDF>
```

```

foafHtml.xsl
1  <?xml version="1.0" encoding="UTF-8"?>
2  <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
3      xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
4      xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
5      xmlns:clinic="http://www.infomed.co.il">
6  <xsl:output method='html' indent="yes"/>
7  <xsl:template match="rdf:RDF/foaf:Person">
8      <h2>Olivier FRANCOU informations</h2>
9      <table border="1">
10         <tr>
11             <th>Nom Prénom</th>f
12             <th>Genre</th>
13             <th>Prenom</th>
14             <th>Nom de famille</th>
15             <th>Surnom</th>
16             <th>Mail hash</th>
17             <th>Site personnel</th>
18         </tr>
19         <tr>
20             <td><xsl:value-of select="foaf:name"/></td>
21             <td><xsl:value-of select="foaf:title"/></td>
22             <td><xsl:value-of select="foaf:givenname"/></td>
23             <td><xsl:value-of select="foaf:family_name"/></td>
24             <td><xsl:value-of select="foaf:nick"/></td>
25             <td><xsl:value-of select="foaf:mbox_sha1sum"/></td>
26             <td><xsl:value-of select="foaf:homepage/@rdf:resource"/></td>
27         </tr>
28     </table>
29     <xsl:text>&#013;</xsl:text>
30 </xsl:template>
31 </xsl:stylesheet>

```

Nom Prenom	Genre	Prenom	Nom de Famille	Surnom	Mail hash	Site personnel
Olivier FRANCOU	M.	Olivier	FRANCOU	olivierF-Git	b6a67916d2a4d09ec9d8dd92bc7ac961364ff599	https://olivierF-Git.github.io/

Exercice 3 :

Afin de réussir cette question, j'ai créé un compte sur ORCID.

Grace à cela, j'ai pu obtenir mon identifiant 0000-0003-2722-0495 me permettant de réaliser une requête Curl (`curl -L -H "Accept: text/turtle" https://orcid.org/0000-0003-2722-0495 >> fichier.ttl`) afin de récupérer les éléments de mon compte.

```
→ olivierF-Git.github.io git:(main) curl -L -H "Accept: text/turtle" https://orcid.org/0000-0003-2722-0495 >> fichier.ttl
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100 211      0 211    0     0    509      0  --:--:-- --:--:-- --:--:--    514
0      0      0 0     0     0    0      0  --:--:-- 0:00:01 --:--:--     0
100 1860    0 1860    0     0   1071      0  --:--:-- 0:00:01 --:--:--     0
→ olivierF-Git.github.io git:(main) *
```


Exercice 4 :

Depuis la faille log4j, il est impossible de lancer cette commande et donc de réaliser cette question.

```
* olivierF-Git.github.io git:(main) * java -jar ./ldspider-1.3-with-dependencies.jar
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
usage: [-a <filename[.gz]>] [-accept <MIME Types>] [-any23] [-any23ext <any23
extractor names>] -b <depth uri-limit pld-limit> | -c <max-uris> | -d
<directory> [-bl <extensions>] [-ctIgnore] [-cto <time in ms>] [-dbfq]
[-dbfqInput <filename>] [-dbfqSave <basefilename>] [-df <base filename>]
[-dh <filename>] [-dr] [-ds <filename>] [-e] [-f <uris>] [-n | -y <host>]
[-h] [-hopsplit] [-lfADIgnore] [-m <frontier-file>] [-mapseed] [-minpld
<min. # of active PLDs>] [-mr <max. # of redirects>] [-o <filename[.gz]>]
| -oe <uri>] [-polite <time in ms>] [-r <filename[.gz]>] [-resumebfc
<seenfile redirectsfile>] [-rf] -s <file> [-sdf <sort gzip>] [-sto <time
in ms>] [-t <threads>] [-ul <number>] [-v <filename[.gz]>]
ERROR: Missing required options: s, [-b do strict breadth-first (uri-limit and
pld-limit optional), -c use load balanced crawling strategy, -d download seed
URIs and archive raw data]
-a <filename[.gz]>          name of access log file
-accept <MIME Types>      Change the HTTP Accept header to the
                           one supplied
-any23                    Use any23 for extending the formats
                           available to parse.
-any23ext <any23 extractor names> Override the defaultly selected
                           extractors that are to be loaded with
                           any23. Leave empty to use all any23
                           has available. Default: [html-rdfa11,
                           rdf-xml, rdf-turtle, rdf-nt, rdf-nq,
                           html-script-turtle]
-b <depth uri-limit pld-limit> do strict breadth-first (uri-limit and
                           pld-limit optional)
-bl <extensions>          overwrite default suffixes of files
                           that are to be ignored in the crawling
                           with the ones supplied. Note: no
                           suffix is also an option. Default:
                           [.txt, .html, .xhtml, .json, .ttl,
                           .nt, .jpg, .pdf, .htm, .png, .jpeg,
                           .gif]
-c <max-uris>             use load balanced crawling strategy
-ctIgnore                 Parse and fetch disrespective of
                           content-type
-cto,--connection-timeout <time in ms> Set connection timeout. Default:
                           32000ms
-d <directory>            download seed URIs and archive raw
                           data
-dbfq                     Uses the on-disk BreadthFirstQueue if
                           crawling breadth-first. Doesn't
                           support uri-limit and pld-limit (see
                           -b). Needs -sdf sort to be set. Ranks
                           URIs on the PLDs according to their
                           in-link count.
-dbfqInput <filename>     For the on-disk breadth-first queue
                           (-dbfq), use this file as input for
                           the eternal in-link count.
-dbfqSave <basefilename>  For the on-disk breadth-first queue
                           (-dbfq), save the eternal in-link
                           count per URI after each hop to this
                           file.
-df <base filename>       Dump frontier after each round to file
                           (only breadth-first). File name
                           format: <base filename>-<round number>
-dh <filename>            Dump header information to a separate
                           file. It makes no sense to set -e at
                           the same time.
-dr                       Don't use Redirects.class for
                           Redirects handling
```