Exercice 4 :

4.1- Quels sont les titres des articles (rss:item) publiés dans le flux RSS:

String req1 = "PREFIX vCard: " + "PREFIX rss: " + "PREFIX foaf: " + "PREFIX rdf: " + "" + "SELECT ?titre " + "FROM " + " WHERE { " + " ?item rdf:type rss:item ." + " ?item rss:title ?titre" + "} ";

4.2- Quel est le titre (rss:title) du flux (rss:channel) RSS :

String req2 = "PREFIX vCard: " + "PREFIX rss: " + "PREFIX foaf: " + "PREFIX rdf: " + "" + "SELECT ?titre " + "FROM " + " WHERE { " + " ?item rdf:type rss:channel ." + " ?item rss:title ?titre" + "} ";

4.3- Donner les onze premiers articles du flux RSS par ordre chronologique:

String req3 = "PREFIX vCard: " + "PREFIX rss: " + "PREFIX foaf: " + "PREFIX rdf:http://www.w3.org/1999/02/22-rdf-syntax-ns#>" + "" + "SELECT ?article " + "FROM " + " WHERE { " + " ?article rdf:type rss:item " + "} " + "LIMIT 11" ;

4.4- Donner le deuxième article du flux RSS (ordre chronologique):

String req4 = "PREFIX vCard: " + "PREFIX rss: " + "PREFIX foaf: " + "PREFIX rdf:" + "" + "SELECT ?article " + "FROM " + " WHERE { " + " ?article rdf:type rss:item " + "} " + "OFFSET 2" + "LIMIT 1";

4.5- Donner l’avant dernier article du flux RSS (ordre chronologique):

String req5 = "PREFIX vCard: " + "PREFIX rss: " + "PREFIX foaf: " + "PREFIX rdf:" + "" + "SELECT ?article " + "FROM " + " WHERE { " + " ?article rdf:type rss:item" + "} " + "OFFSET 51" + "LIMIT 51" ;

4.6- Donner le deuxième ainsi que l’avant dernier article du flux RSS (requête UNION)

String req6 = "PREFIX vCard: " + "PREFIX rss: " + "PREFIX foaf: " + "PREFIX rdf:" + "" + "SELECT ?article " + "FROM " + " WHERE { " + "{" + "SELECT ?article " + " WHERE { " + " ?article rdf:type rss:item" + "} " + "OFFSET 1" + "LIMIT 1" + "}" +"UNION" + "{" + "SELECT ?article " + " WHERE { " + " ?article rdf:type rss:item" + "} " + "OFFSET 51" + "LIMIT 51" + "}"

4.7- Donner la liste des couples d’articles publiés à la même date

String req7 = "PREFIX vCard: " + "PREFIX rss: " + "PREFIX foaf: " + "PREFIX rdf:" + "" + "SELECT ?item ?titre ?date " + "FROM " + " WHERE { " + " ?item rdf:type rss:item ." + " ?item rss:title ?titre ." + " ?item dc:date ?date" + "} ";

4.8- Quels sont les articles publiés le 2007-04-12 ? (Suggestion : Format pour la date dans la requête “2007-04-12T00:00+00:00”ˆˆxsd:string)

String req8 = "PREFIX vCard: " + "PREFIX rss: " + "PREFIX foaf: " + "PREFIX rdf:" + "" + "SELECT ?item ?titre ?date " + "FROM " + " WHERE { " + " ?item rss:title ?titre ." + " ?item dc:date ?date" + "FILTER xsd:dateTime(?pub\_date) >= \""20070412T00:00+00:00"^^xsd:string &&" + " xsd:dateTime(?pub\_date) < \""20070412T00:00+00:00"^^xsd:string" + "} ";

4.9- Donnez la liste des auteurs (sans répétition) des articles dans ce flux RSS ?

String req9 = "PREFIX vCard: " + "PREFIX rss: " + "PREFIX foaf: " + "PREFIX rdf:" + "" + "SELECT ?item ?titre (distinct ?author) " + "FROM " + " WHERE { " + " ?item rdf:type rss:item ." + " ?item rss:title ?titre ." + " ?item dc:author ?author" + "} ";