

DAT475 / DIT930 Advanced databases - Assignment 3

Done by: Yeoh Hui Qing, Erik Rosvall (Group 16)

Query 1

	name	director	dept
1	:P-01	:19591012-0095	:D1
2	:P-02	:19600503-0067	:D1
3	:P-03	:19551112-0017	:D1
4	:P-11	:19630224-0041	:D2
5	:P-12	:19650814-0090	:D2
6	:P-21	:19550512-0123	:D3
7	:P-22	:19560123-0039	:D3
8	:P-31	:19680813-0126	:D4
9	:P-32	:19550711-0001	:D4
10	:P-33	:19551224-0080	:D4
11	:P-41	:19630316-0005	:D5
12	:P-42	:19550609-0065	:D5
13	:P-43	:19620207-0033	:D5
14	:P-51	:19630402-0112	:D6
15	:P-52	:19600630-0020	:D6
16	:P-61	:19670827-0016	:D7
17	:P-62	:19610427-0149	:D7
18	:P-63	:19560307-0105	:D7
19	:P-64	:19670913-0054	:D7
20	:P-71	:19670320-0110	:D8
21	:P-72	:19640810-0127	:D8
22	:P-73	:19651129-0082	:D8
23	:P-74	:19690322-0050	:D8

Query 2

studentName
TA 222
TA 343
TA 282
TA 388
TA 182
TA 305
TA 285
TA 312
TA 221
TA 383
TA 330
TA 193
TA 266
TA 232
TA 262
TA 206
TA 259
TA 229
TA 347
TA 339
TA 370
TA 160
TA 288

Query 3

Unnamed X Q1 X Q2 X Q3 X +

```
1 PREFIX : <http://www.semanticweb.org/huiging/ontologies/2022/3/untitled-ontology-2#>
2 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
3
4 # Q3 - Find all teachers who are assigned more than 120 hours in course 1011 in study period 1 in academic year 2018/2019.
5
6 select ?teacherId ?teacherName ?hours where {
7   # Get all teachers and their TimeAssignments
8   ?teacherId rdf:type :TeachingStaff ;
9   :hasName ?teacherName ;
10  :isAssigned ?timeAssignment .
11
12  # Get all TimeAssignments for all CourseInstances
13  # with > 120 assigned hours
14  ?timeAssignment :isNeededFor ?courseInstance .
```



Run

keyboard shortcuts

Table Raw Response Pivot Table Google Chart

Download as

Filter query results

Showing results from 1 to 2 of 2. Query took 0.2s, moments ago.

	teacherId	teacherName	hours
1	:19560823-0146	"Teacher 146"	"260.0"^^xsd:decimal
2	:19790813-0198	"TA 198"	"140.0"^^xsd:decimal

Query 4

Filter query results

Showing results from 1 to 42 of 42. Query took 0.1s, moments ago.

	studentId	
1	:19870405-0000	
2	:19870724-0029	
3	:19850727-0265	
4	:19890428-0312	
5	:19850911-0315	
6	:19860913-0324	
7	:19891218-0630	
8	:19890217-0719	
9	:19880928-0907	
10	:19860214-0983	
11	:19891212-0989	
12	:19890807-1299	
13	:19871113-1324	
14	:19850904-1514	
15	:19890426-1850	
16	:19850409-2148	
17	:19850922-2215	

18	:19850801-2245		 assignment3 ▾
19	:19890319-2643		
20	:19861212-2687		
21	:19870422-2721		
22	:19850219-2921		
23	:19880218-3125		
24	:19850430-3211		
25	:19880611-3270		
26	:19890223-3329		
27	:19850221-3371		
28	:19890810-3464		
29	:19890219-3535		
30	:19851127-3539		
31	:19850107-3582		
32	:19850726-3764		
33	:19891005-3778		
34	:19861002-3876		
35	:19861028-3879		
36	:19870802-4094		
37	:19890319-4135		
38	:19870716-4263		

39	:19850514-4411
40	:19880918-4597
41	:19890531-4848
42	:19750130-0240

Query 5

	progCode	progName	numOwnedCourses	DIT930
1	:10012	:P-12	"77"xsd:integer	
2	:10051	:P-51	"67"xsd:integer	
3	:10052	:P-52	"65"xsd:integer	
4	:10022	:P-22	"64"xsd:integer	
5	:10021	:P-21	"63"xsd:integer	
6	:10011	:P-11	"54"xsd:integer	
7	:10032	:P-32	"52"xsd:integer	
8	:10042	:P-42	"52"xsd:integer	
9	:10043	:P-43	"49"xsd:integer	
10	:10002	:P-02	"45"xsd:integer	
11	:10041	:P-41	"45"xsd:integer	
12	:10033	:P-33	"44"xsd:integer	
13	:10001	:P-01	"41"xsd:integer	
14	:10061	:P-61	"35"xsd:integer	
15	:10003	:P-03	"32"xsd:integer	
16	:10063	:P-63	"30"xsd:integer	
17	:10071	:P-71	"30"xsd:integer	
18	:10031	:P-31	"29"xsd:integer	
19	:10062	:P-62	"29"xsd:integer	
20	:10064	:P-64	"29"xsd:integer	
21	:10073	:P-73	"27"xsd:integer	
22	:10072	:P-72	"23"xsd:integer	
23	:10074	:P-74	"18"xsd:integer	