

# Ranking Archived Documents for Structured Queries on Semantic Layers

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## List of SPARQL Queries

| No. | Query Category      | Information Need   | SPARQL QUERY  |
|-----|---------------------|--|---|
| 1   | Single-Entity Query | Find articles between 1990-02-06 and 1990-02-15 about Nelson Mandela | <pre> PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt; PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt; PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt; PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt; PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt; PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt; PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;  SELECT DISTINCT ?article ?date ?title WHERE { ?article dc:date ?date FILTER(?date &gt;= xsd:date('1990-02-06') &amp;&amp; ?date &lt;= xsd:date('1990-02-15')). ?article schema:mentions ?entity . ?entity oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Nelson_Mandela">http://dbpedia.org/resource/Nelson_Mandela</a>&gt; . ?article dc:title ?title }</pre> |
| 2   | Single-Entity Query | Find articles between 1987-02-15 and 1987-04-30 about Fidel Castro   | <pre> PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt; PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt; PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt; PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt; PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt; PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt; PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;  SELECT DISTINCT ?article ?date ?title WHERE { ?article dc:date ?date FILTER(?date &gt;= xsd:date('1987-02-15') &amp;&amp; ?date &lt;= xsd:date('1987-04-30')). ?article schema:mentions ?entity . ?entity oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Fidel_Castro">http://dbpedia.org/resource/Fidel_Castro</a>&gt; . ?article dc:title ?title }</pre>     |

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| 3 | Single-Entity Query | Find articles Between 1988-10-15 and 1988-12-31 about the rock band Beatles           | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/dae/core#">http://www.ics.forth.gr/isl/dae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1988-10-15') &amp;&amp;<br/> ?date &lt;= xsd:date('1988-12-31')).<br/> ?article schema:mentions ?entity .<br/> ?entity oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/The_Beatles">http://dbpedia.org/resource/The_Beatles</a>&gt; .<br/> ?article dc:title ?title<br/> }</p>                 |
| 4 | Single-Entity Query | Find articles between 1991-07-01 and 1991-09-30 about the video game company Nintendo | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/dae/core#">http://www.ics.forth.gr/isl/dae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1991-07-01') &amp;&amp;<br/> ?date &lt;= xsd:date('1991-09-30')).<br/> ?article schema:mentions ?entity .<br/> ?entity oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Nintendo">http://dbpedia.org/resource/Nintendo</a>&gt; .<br/> ?article dc:title ?title<br/> }</p>                       |
| 5 | Single-Entity Query | Find articles between 1990-10-01 and 1991-10-31 about United Airlines                 | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/dae/core#">http://www.ics.forth.gr/isl/dae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1990-10-01') &amp;&amp;<br/> ?date &lt;= xsd:date('1990-10-31')).<br/> ?article schema:mentions ?entity .<br/> ?entity oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/United_Airlines">http://dbpedia.org/resource/United_Airlines</a>&gt; .<br/> ?article dc:title ?title<br/> }</p>         |
| 6 | Single-Entity Query | Find articles of January and February 1991 about Alzheimer's Disease                  | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/dae/core#">http://www.ics.forth.gr/isl/dae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1991-01-01') &amp;&amp;<br/> ?date &lt;= xsd:date('1991-02-28')).<br/> ?article schema:mentions ?entity .<br/> ?entity oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Alzheimer's_disease">http://dbpedia.org/resource/Alzheimer's_disease</a>&gt; .<br/> ?article dc:title ?title<br/> }</p> |

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| 7 | >1 Entity Query<br>(AND Semantics) | Find articles between 1988-11-10 and 1989-12-31 discussing about former US President George H.W. Bush and former Soviet Union President Mikhail Gorbachev                            | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1988-11-10') &amp;&amp;<br/> ?date &lt;= xsd:date('1989-12-31')).<br/> ?article schema:mentions ?entity .<br/> ?entity oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/George_H._W._Bush">http://dbpedia.org/resource/George_H._W._Bush</a>&gt; .<br/> ?article schema:mentions ?entity1 .<br/> ?entity1 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Mikhail_Gorbachev">http://dbpedia.org/resource/Mikhail_Gorbachev</a>&gt; .<br/> ?article dc:title ?title<br/> }</p>                       |
| 8 | >1 Entity Query<br>(AND Semantics) | Find articles between 1987-07-15 and 1991-07-31 about former Indian Prime Minister Rajiv Gandhi and the Tamil Tigers, the militant organization involved in the Sri Lankan Civil War | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1987-07-15') &amp;&amp;<br/> ?date &lt;= xsd:date('1991-07-31')).<br/> ?article schema:mentions ?entity1 .<br/> ?entity1 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Rajiv_Gandhi">http://dbpedia.org/resource/Rajiv_Gandhi</a>&gt; .<br/> ?article schema:mentions ?entity2 .<br/> ?entity2 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Liberation_Tigers_of_Tamil_Eelam">http://dbpedia.org/resource/Liberation_Tigers_of_Tamil_Eelam</a>&gt; .<br/> ?article dc:title ?title<br/> }</p> |
| 9 | >1 Entity Query<br>(AND Semantics) | Find articles between 1989-11-01 and 1990-02-10 discussing about German reunification and the Berlin Wall  | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1989-11-01') &amp;&amp;<br/> ?date &lt;= xsd:date('1990-02-10')).<br/> ?article schema:mentions ?entity1 .<br/> ?entity1 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/German_reunification">http://dbpedia.org/resource/German_reunification</a>&gt; .<br/> ?article schema:mentions ?entity2 .<br/> ?entity2 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Berlin_Wall">http://dbpedia.org/resource/Berlin_Wall</a>&gt; .<br/> ?article dc:title ?title<br/> }</p>                           |

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| 10 | >1 Entity Query<br>(AND Semantics) | Find articles between 1987 and 1991 about Hollywood Actors Robert de Niro and Sean Connery                                 | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1987-01-01') &amp;&amp;<br/> ?date &lt;= xsd:date('1991-12-31')).<br/> ?article schema:mentions ?entity1 .<br/> ?entity1 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Robert_De_Niro">http://dbpedia.org/resource/Robert_De_Niro</a>&gt; .<br/> ?article schema:mentions ?entity2 .<br/> ?entity2 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Sean_Connery">http://dbpedia.org/resource/Sean_Connery</a>&gt; .<br/> ?article dc:title ?title<br/> }</p>         |
| 11 | >1 Entity Query<br>(AND Semantics) | Find articles between March 1987 and June 1987 about US President Ronald Reagan and Iran Supreme Leader Ayatollah Khomeini | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1987-03-01') &amp;&amp;<br/> ?date &lt;= xsd:date('1987-06-30')).<br/> ?article schema:mentions ?entity1 .<br/> ?entity1 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Ronald_Reagan">http://dbpedia.org/resource/Ronald_Reagan</a>&gt; .<br/> ?article schema:mentions ?entity2 .<br/> ?entity2 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Ruhollah_Khomeini">http://dbpedia.org/resource/Ruhollah_Khomeini</a>&gt; .<br/> ?article dc:title ?title<br/> }</p> |
| 12 | >1 Entity Query<br>(AND Semantics) | Find articles between January 1990 and May 1990 about State of Israel and Hezbollah  | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1990-01-01') &amp;&amp;<br/> ?date &lt;= xsd:date('1990-05-31')).<br/> ?article schema:mentions ?entity1 .<br/> ?entity1 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Israel">http://dbpedia.org/resource/Israel</a>&gt;<br/> .<br/> ?article schema:mentions ?entity2 .<br/> ?entity2 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Hezbollah">http://dbpedia.org/resource/Hezbollah</a>&gt; .<br/> ?article dc:title ?title<br/> }</p>                          |

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| 13 | >1 Entity Query<br>(OR Semantics) | Find articles between 1989-04-01 and 1989-12-31 about King Fahd of Saudi Arabia or Sheikh Zayed, Founder of the United Arab Emirates             | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oe/core#">http://www.ics.forth.gr/isl/oe/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> {<br/> ?article schema:mentions ?entity .<br/> ?entity oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Fahd_of_Saudi_Arabia">http://dbpedia.org/resource/Fahd_of_Saudi_Arabia</a>&gt; .<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1989-04-01') &amp;&amp; ?date &lt;= xsd:date('1989-12-31')).<br/> ?article dc:title ?title<br/> }UNION{<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1989-04-01') &amp;&amp; ?date &lt;= xsd:date('1989-12-31')).<br/> ?article schema:mentions ?entity1 .<br/> ?entity1 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Zayed_bin_Sultan_Al_Nahyan">http://dbpedia.org/resource/Zayed_bin_Sultan_Al_Nahyan</a>&gt; .<br/> ?article dc:title ?title}<br/> }</p> |
| 14 | >1 Entity Query<br>(OR Semantics) | Find articles between 1989-07-01 and 1989-12-01 about Pablo Escobar, Colombian Drug Lord and Head of the Medellin Cartel or Colombian Presidents | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oe/core#">http://www.ics.forth.gr/isl/oe/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> {<br/> ?article schema:mentions ?entity .<br/> ?entity oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Pablo_Escobar">http://dbpedia.org/resource/Pablo_Escobar</a>&gt; .<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1989-07-01') &amp;&amp; ?date &lt;= xsd:date('1989-12-01')).<br/> ?article dc:title ?title<br/> }UNION{<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1989-07-01') &amp;&amp; ?date &lt;= xsd:date('1989-12-01')).<br/> ?article schema:mentions ?entity1 .<br/> ?entity1 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/President_of_Colombia">http://dbpedia.org/resource/President_of_Colombia</a>&gt; .<br/> ?article dc:title ?title}<br/> }</p>                         |

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| 15 | >1 Entity Query<br>(OR Semantics) | Find articles between 1989 and 1991 discussing about the wrestler Hulk Hogan or WrestleMania Event       | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {{<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1989-01-01') &amp;&amp;<br/> ?date &lt;= xsd:date('1991-12-31')).<br/> ?article schema:mentions ?entity1 .<br/> ?entity1 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Hulk_Hogan">http://dbpedia.org/resource/Hulk_Hogan</a>&gt; .<br/> ?article dc:title ?title}<br/> UNION{<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1989-01-01') &amp;&amp;<br/> ?date &lt;= xsd:date('1991-12-31')).<br/> ?article schema:mentions ?entity2 .<br/> ?entity2 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/WrestleMania">http://dbpedia.org/resource/WrestleMania</a>&gt; .<br/> ?article dc:title ?title}<br/> }</p>  |
| 16 | >1 Entity Query<br>(OR Semantics) | Find articles between 1990 and 1991 about Formula One Drivers Ayrton Senna, Nelson Piquet or Alain Prost | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {{<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1990-01-01') &amp;&amp;<br/> ?date &lt;= xsd:date('1991-12-31')).<br/> ?article schema:mentions ?entity1 .<br/> ?entity1 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Ayrton_Senna">http://dbpedia.org/resource/Ayrton_Senna</a>&gt; .<br/> ?article dc:title ?title}<br/> UNION{<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1990-01-01') &amp;&amp;<br/> ?date &lt;= xsd:date('1991-12-31')).<br/> ?article schema:mentions ?entity2 .<br/> ?entity2 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Nelson_Piquet">http://dbpedia.org/resource/Nelson_Piquet</a>&gt; .<br/> ?article dc:title ?title}<br/> UNION{<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1990-01-01') &amp;&amp;<br/> ?date &lt;= xsd:date('1991-12-31')).<br/> ?article schema:mentions ?entity3 .<br/> ?entity3 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Alain_Prost">http://dbpedia.org/resource/Alain_Prost</a>&gt; .<br/> ?article dc:title ?title}<br/> }</p> |

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| 17 | >1 Entity Query<br>(OR Semantics) | Find articles<br>September 1989<br>about Tennis<br>players Steffi Graf<br>or Martina<br>Navratilova                        | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> {<br/> ?article schema:mentions ?entity .<br/> ?entity oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Steffi_Graf">http://dbpedia.org/resource/Steffi_Graf</a>&gt; .<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1989-09-01') &amp;&amp;<br/> ?date &lt;= xsd:date('1989-09-30')) .<br/> ?article dc:title ?title<br/> }UNION{<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1989-09-01') &amp;&amp;<br/> ?date &lt;= xsd:date('1989-09-30')) .<br/> ?article schema:mentions ?entity1 .<br/> ?entity1 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Martina_Navratilova">http://dbpedia.org/resource/Martina_Navratilova</a>&gt; .<br/> ?article dc:title ?title}<br/> }</p> |
| 18 | >1 Entity Query<br>(OR Semantics) | Find articles<br>between June and<br>December 1989<br>about UK PM<br>Margaret Thatcher<br>or UK Deputy PM<br>Geoffrey Howe | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> {<br/> ?article schema:mentions ?entity .<br/> ?entity oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Margaret_Thatcher">http://dbpedia.org/resource/Margaret_Thatcher</a>&gt; .<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1989-06-01') &amp;&amp;<br/> ?date &lt;= xsd:date('1989-12-31')) .<br/> ?article dc:title ?title<br/> }UNION{<br/> ?article dc:date ?date FILTER(?date &gt;= xsd:date('1989-06-01') &amp;&amp;<br/> ?date &lt;= xsd:date('1989-12-31')) .<br/> ?article schema:mentions ?entity1 .<br/> ?entity1 oae:hasMatchedURI &lt;<a href="http://dbpedia.org/resource/Geoffrey_Howe">http://dbpedia.org/resource/Geoffrey_Howe</a>&gt; .<br/> ?article dc:title ?title}<br/> }</p> |
| 19 | Category Query<br>(OR Semantics)  | Find articles<br>between<br>1990-01-01 and<br>1990-04-10<br>mentioning Civilian<br>Astronauts of NASA                      | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> SERVICE &lt;<a href="http://dbpedia.org/sparql">http://dbpedia.org/sparql</a>&gt; {<br/> ?entityUri dc:subject dbc:NASA_civilian_astronauts.<br/> <br/> ?article dc:date ?date FILTER (?date&gt;="1990-01-01"^^xsd:date &amp;&amp;<br/> ?date&lt;="1990-04-10"^^xsd:date) .<br/> ?article schema:mentions ?entity .<br/> ?entity oae:hasMatchedURI ?entityUri .<br/> ?article dc:title ?title }<br/> }</p>   |

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| 20 | Category Query (OR Semantics) | Find articles between 1990-04-01 and 1991-12-01 mentioning Indian Sportspersons who received the Arjuna Award                 | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> SERVICE &lt;<a href="http://dbpedia.org/sparql">http://dbpedia.org/sparql</a>&gt; {<br/> ?entityUri dc:subject dbc:Recipients_of_the_Arjuna_Award.}</p> <p>?article dc:date ?date FILTER (?date&gt;="1990-04-01"^^xsd:date &amp;&amp;<br/> ?date&lt;="1991-12-01"^^xsd:date) .<br/> ?article schema:mentions ?entity .<br/> ?entity oae:hasMatchedURI ?entityUri .<br/> ?article dc:title ?title }</p> |
| 21 | Category Query (OR Semantics) | Find articles between 1991-04-01 and 1991-11-01 mentioning Williams Formula One drivers                                       | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> SERVICE &lt;<a href="http://dbpedia.org/sparql">http://dbpedia.org/sparql</a>&gt; {<br/> ?entityUri dc:subject dbc:Williams_Formula_One_drivers.}</p> <p>?article dc:date ?date FILTER (?date&gt;="1991-04-01"^^xsd:date &amp;&amp;<br/> ?date&lt;="1991-11-01"^^xsd:date) .<br/> ?article schema:mentions ?entity .<br/> ?entity oae:hasMatchedURI ?entityUri .<br/> ?article dc:title ?title }</p>   |
| 22 | Category Query (OR Semantics) | Find articles between 1987-06-01 and 1987-06-30 discussing about famous Indian personalities who got awarded the Bharat Ratna | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> SERVICE &lt;<a href="http://dbpedia.org/sparql">http://dbpedia.org/sparql</a>&gt; {<br/> ?entityUri dc:subject dbc:Recipients_of_the_Bharat_Ratna.}</p> <p>?article dc:date ?date FILTER (?date&gt;="1987-06-01"^^xsd:date &amp;&amp;<br/> ?date&lt;="1987-06-30"^^xsd:date) .<br/> ?article schema:mentions ?entity .<br/> ?entity oae:hasMatchedURI ?entityUri .<br/> ?article dc:title ?title }</p> |



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| 23 | Category Query<br>(OR Semantics) | Find articles between 1990-01-01 and 1990-01-31 about Aviation accidents and incidents of 1990 | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> SERVICE &lt;<a href="http://dbpedia.org/sparql">http://dbpedia.org/sparql</a>&gt; {<br/> ?entityUri dc:subject<br/> dbc:Aviation_accidents_and_incidents_in_1990.}</p> <p>?article dc:date ?date FILTER (?date&gt;="1990-01-01"^^xsd:date &amp;&amp;<br/> ?date&lt;="1990-01-31"^^xsd:date) .<br/> ?article schema:mentions ?entity .<br/> ?entity oae:hasMatchedURI ?entityUri .<br/> ?article dc:title ?title<br/> }</p> |
| 24 | Category Query<br>(OR Semantics) | Find articles of between 1988-02-01 and 1988-03-01 discussing about Cognitive disorders        | <p>PREFIX dc: &lt;<a href="http://purl.org/dc/terms/">http://purl.org/dc/terms/</a>&gt;<br/> PREFIX oae: &lt;<a href="http://www.ics.forth.gr/isl/oae/core#">http://www.ics.forth.gr/isl/oae/core#</a>&gt;<br/> PREFIX dbc: &lt;<a href="http://dbpedia.org/resource/Category:">http://dbpedia.org/resource/Category:</a>&gt;<br/> PREFIX xsd: &lt;<a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>&gt;<br/> PREFIX dbo: &lt;<a href="http://dbpedia.org/ontology/">http://dbpedia.org/ontology/</a>&gt;<br/> PREFIX dbr: &lt;<a href="http://dbpedia.org/resource/">http://dbpedia.org/resource/</a>&gt;<br/> PREFIX schema: &lt;<a href="http://schema.org/">http://schema.org/</a>&gt;</p> <p>SELECT DISTINCT ?article ?date ?title WHERE {<br/> SERVICE &lt;<a href="http://dbpedia.org/sparql">http://dbpedia.org/sparql</a>&gt; {<br/> ?entityUri dc:subject dbc:Cognitive_disorders.}</p> <p>?article dc:date ?date FILTER (?date&gt;="1988-02-01"^^xsd:date &amp;&amp;<br/> ?date&lt;="1988-03-01"^^xsd:date) .<br/> ?article schema:mentions ?entity .<br/> ?entity oae:hasMatchedURI ?entityUri .<br/> ?article dc:title ?title<br/> }</p>                           |