

Realizado por: Robinson Arpi

## 1. Carga de datos

```
Menú
1. Cargar datos en Fuseki
2. Consulta 1
3. Consulta 2
4. Consulta 3
5. Consulta 4
6. Salir
Seleccione una opción: 1
Datos de investigaciones_kg.ttl cargados exitosamente en Fuseki.
```

### Available Graphs

list current graphs

name	count
<a href="#">default</a>	2716

« < 1 > »

```
graph
default
1 PREFIX dbp: <https://dbpedia.org/page/>
2 PREFIX ex: <http://example.org#>
3 PREFIX foaf: <http://xmlns.com/foaf/0.1/>
4 PREFIX ns1: <http://ejemplo.org#>
5 PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
6
7 ex:investigation_0 a ex:Indictment;
8 ex:american true;
9 ex:cp_date "1973-01-30"^^xsd:date;
10 ex:cp_days -109;
11 ex:indictment_days -246;
12 ex:investigation ex:watergate;
```

## 2. Consulta 1

```
consulta_1 = """
PREFIX ex: <http://example.org#>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

SELECT ?name ?president
WHERE {
    ?investigation a ex:Indictment ;
        ex:name ?name ;
        ex:president ?president ;
        ex:outcome ex:conviction ;
        ex:overturned true .
}
```

5. Consulta 4

6. Salir

Seleccione una opción: 2

Personas condenadas cuyas condenas fueron anuladas y el presidente que ejecutó la anulación:

+-----+-----+	
Nombre	Presidente
+=====+	
Robert_C._Mardian	Richard_Nixon
+-----+	
Bernard_L._Barker	Richard_Nixon
+-----+	
Eugenio_R._Martinez	Richard_Nixon
+-----+	
Ed_Reinecke	Richard_Nixon
+-----+	
Oliver_North	Ronald_Reagan
+-----+	
John_Poindexter	Ronald_Reagan
+-----+	
Lyn_Nofziger	Ronald_Reagan
+-----+	
Lance_H._Wilson	George_H.W._Bush
+-----+	

### 3. Consulta 2

```
consulta_2 = """
    PREFIX ex: <http://example.org#>
    SELECT ?president (COUNT(?condena) AS ?condenas)
(COUNT(?indulto) AS ?indultos)
    WHERE {
        ?investigation ex:president ?president .
        OPTIONAL {
            ?investigation ex:outcome ex:conviction .
            BIND(1 AS ?condena)
        }
        OPTIONAL {
            ?investigation ex:pardoned true.
            BIND(1 AS ?indulto)
        }
    }
    GROUP BY ?president
"""
```

Seleccione una opción: 3

Tabla combinada de Condenas e Indultos:

Presidente	Condenas	Indultos
Bill_Clinton	8	13
Jimmy_Carter	0	0
Ronald_Reagan	6	6
George_H.W._Bush	6	1
George_W._Bush	1	1
Richard_Nixon	17	5
Donald_Trump	1	0

#### 4. Consulta 3

```
consulta_3 = """
    PREFIX ex: <http://example.org#>
    PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
    PREFIX foaf: <http://xmlns.com/foaf/0.1/>

    INSERT {
        ?name_iri a foaf:Person ;
        foaf:name ?name .
    }
    WHERE {
        {
            ?s ex:name ?name_iri .
            FILTER (?name_iri != "None")
            BIND(REPLACE(STR(?name_iri), str(ex:), "") AS
?name)

        }
        UNION
        {
            ?s ex:president ?name_iri .
            FILTER (?name_iri != "None")
            BIND(REPLACE(STR(?name_iri), str(ex:), "") AS
?name)

        }
    }
"""
```

##### Menú

```
1. Cargar datos en Fuseki
2. Consulta 1
3. Consulta 2
4. Consulta 3
5. Consulta 4
6. Salir
Seleccione una opción: 4
Grafo actualizado exitosamente.
```

Se generaron 3084 tripletas

Available Graphs

list current graphs

name	count
<a href="#">default</a>	3084

<<<

<

1

>

>>>

graph

default

```
42
43 ex:Bernard_L._Barker a foaf:Person;
44     foaf:name "Bernard_L._Barker" .
45
46 ex:investigation_10 a      ex:Indictment;
47     ex:american      true;
48     ex:cp_date       "1975-01-01"^^xsd:date;
49     ex:cp_days       592;
50     ex:indictment_days 286;
51     ex:investigation  ex:watergate;
52     ex:investigation_days 1492;
53     ex:investigation_end "1977-06-19"^^xsd:date;
```

## 5. Consulta 4

```
consulta_4 = """
    PREFIX ns1: <http://example.org#>
    PREFIX dbp: <https://dbpedia.org/page/>
    DELETE {
        ?subject ns1:name ?oldObject .
    }
    INSERT {
        ?subject dbp:name ?newObject .
    }
    WHERE {
        ?subject ns1:name ?oldObject .
        BIND(IRI(CONCAT("https://dbpedia.org/page/",
    STRAFTER(STR(?oldObject), "http://example.org#"))) AS ?newObject)
    }
    """
```

### Menú

```
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Seleccione una opción: 5
Grafo actualizado exitosamente.
```

## /p16\_investigaciones

[query](#) [add data](#) [edit](#) [info](#)

### Available Graphs

list current graphs

name	count
<a href="#">default</a>	3084

« < 1 > »

graph

default

```
18      ex:pardoned          false;
19      ex:president         ex:Richard_Nixon;
20      dbp:name              dbp:James_W._McCord .
21
22      ex:James_W._McCord a foaf:Person;
23      foaf:name "James_W._McCord" .
24
25      ex:Richard_Nixon a foaf:Person;
26      foaf:name "Richard_Nixon" .
27
28      ex:investigation_1 a ex:Indictment;
```