Queries SPARQL

Querie 1: Return all patients who experience anxiety (but who are not necessarily diagnosed with GAD).

PREFIX ex: <http://TAG.com#>

SELECT (str(?name) AS ?PACIENTE)

WHERE {

      ?patient ex:feel ex:Anxiety;

          ex:hasName ?name.

}

Querie 2: Return all patients who (experience anxiety, are diagnosed with GAD, present symptoms, and one of these symptoms is fatigability).

PREFIX ex: <http://TAG.com#>

SELECT (str(?name) AS ?PACIENTE)

WHERE {

      ?patient ex:feel ex:Anxiety;

          ex:hasName ?name;

          ex:has ex:Symptom;

          ex:manifested_as ex:Fatigability.

}

Querie 3: Return the patients who have GAD and a comorbidity (along with the comorbidity they have).

PREFIX ex: <http://TAG.com#>
SELECT (str(?name) AS ?PACIENTE) ?comorbitiy
WHERE {
*   ?patient ex:possesses ?comorbitiy;*
*   ex:hasName ?name.*
*   ?patient ex:diagnosed_with ex:GAD.*
}

Querie 4: Return the patients and which doctors are following them.

PREFIX ex: <http://TAG.com#>
SELECT (str(?name) AS ?PACIENTE) (str(?namemed) AS ?MEDICO)
WHERE {
*   ?patient ex:diagnosed_with ex:GAD;*
*   ex:hasName ?name.*
*   ?med ex:accompanies ?patient;*
*   ex:hasName ?namemed.*
}

Querie 5: Return the patients who are not undergoing treatment.
PREFIX ex: <http://TAG.com#>
SELECT (str(?name) AS ?Nome)
WHERE {
*   ?patient rdf:type ex:Patient;*
*   ex:hasName ?name .*

*   FILTER NOT EXISTS { ?patient ex:receives_a ex:Treatment. }*
}

Querie 6: Return the names of the patients and their ages.

PREFIX ex: <http://TAG.com#>

SELECT (str(?name) AS ?Nome) (str(?age) AS ?Idade)

WHERE {

?patient rdf:type ex:Patient;

ex:hasName ?name .

?patient ex:hasAge ?age .

}

Querie 7: Return the patients who are 30 years old or older.
PREFIX ex: <http://TAG.com#>

SELECT (str(?name) AS ?PATIENT) (str(?age) AS ?AGE)

WHERE {

?patient rdf:type ex:Patient;

ex:hasName ?name ;

ex:hasAge ?age .

FILTER(?age >= 30)

}