@prefix owl: <http://www.w3.org/2002/07/owl#> .

@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .

@prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .

@prefix :<http://example.org/prabal/ontology#> .

@prefix xsd: <http://www.w3.org/2001/XMLSchema#> .

#class

:Creature a owl:Class ;

rdfs:label "creature"^^xsd:string.

:Person a owl:Class ;

rdfs:subClassOf :Creature .

:Animal a owl:Class ;

rdfs:label "animal"^^xsd:string ;

rdfs:subClassOf :Creature .

:Cat a owl:Class ;

rdfs:label "cat"^^xsd:string ;

rdfs:subClassOf :Animal .

:Dog a owl:Class ;

rdfs:label "dog"^^xsd:string ;

rdfs:subClassOf :Animal .

:Monkey a owl:Class ;

rdfs:label "monkey"^^xsd:string ;

rdfs:subClassOf :Animal .

#property

:parent a rdf:ObjectProperty ;

rdfs:domain :Person ;

rdfs:range :Person .

:pet a rdf:ObjectProperty ;

rdfs:domain :Person ;

rdfs:label "domestic animal"^^xsd:string ;

rdfs:range :Animal .

:sex a owl:DatatypeProperty ;

rdfs:domain :Creature ;

rdfs:label "sex"^^xsd:string ;

rdfs:range xsd:string .

:name a owl:DatatypeProperty ;

rdfs:domain :Creature ;

rdfs:label "name"^^xsd:string ;

rdfs:range xsd:string .

# individuals

:John a :Person ;

:name "John"^^xsd:string ;

:pet :Luna , :Tom ;

:sex "male"^^xsd:string .

:William a :Person ;

:parent :John ;

:name "William"^^xsd:string ;

:pet :Rex ;

:sex "male"^^xsd:string .

:Eve a :Person;

:parent :William ;

:name "Eve"^^xsd:string ;

:pet :Snuff ;

:sex "female"^^xsd:string .

:Tom a :Cat ;

:name "Tom"^^xsd:string ;

:sex "male"^^xsd:string .

:Luna a :Cat;

:name "Luna"^^xsd:string ;

:sex "female"^^xsd:string .

:Rex a :Dog ;

:name "Rex"^^xsd:string ;

:sex "male"^^xsd:string .

:Snuff a :Monkey ;

:name "snuff"^^xsd:string ;

:sex "male"^^xsd:string .