**-SPARQL UPITI-**

***-------Dobavljanje Tehnicara(1 objekat)---------***

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

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

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

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

PREFIX servis: <http://www.singidunum.ac.rs/servis#> //Treba nam prefix za pristup URI

SELECT ?tehnicar

WHERE {?tehnicar rdf:type servis:Tehnicar}

***-------Dobavljanje Tehnicara na projektu-----***

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

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

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

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

PREFIX servis: <http://www.singidunum.ac.rs/servis#>

SELECT ?tehnicar?projekat

WHERE {?tehnicar rdf:type servis:Tehnicar. //Dobavljanje svih tehnicara

?tehnicar servis:angazovanNa ?projekat //tahnicari koji su angazovani na projektu

}

***------Dobavljanje Medjunarodnog projekta-----***

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

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

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

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

PREFIX servis: <http://www.singidunum.ac.rs/servis#>

SELECT ?tehnicar?projekat

WHERE {

?tehnicar rdf:type servis:Tehnicar.

?tehnicar servis:angazovanNa ?projekat.

?projekat a servis:MedjunarodniProjekat. // 'a' je skracenica za rdf:type

}

***------Dobavljanje Imena i prezimena Tehnicara-----***

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

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

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

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

PREFIX servis: <http://www.singidunum.ac.rs/servis#>

SELECT ?tehnicar ?projekat ?ime ?prezime

WHERE {

?tehnicar rdf:type servis:Tehnicar; // ';' predstavlja sintaksnu precicu za sledeci upit

servis:ime ?ime; //se izbacuje promenljivaukoliko se koristi ista

servis:prezime ?prezime;

servis:angazovanNa ?projekat.

?projekat a servis:MedjunarodniProjekat.

}

***------Vracanje plate Tehnicara-----***

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

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

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

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

PREFIX servis: <http://www.singidunum.ac.rs/servis#>

SELECT \*

WHERE {

?tehnicar rdf:type servis:Tehnicar;

servis:plata ?plata.

}

***------Suma svih plata-----***

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

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

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

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

PREFIX servis: <http://www.singidunum.ac.rs/servis#>

SELECT (sum(?plata) as ?ukupna\_plata) ///funkcija SUM

WHERE {

?zaposleni a ?osoblje;

servis:ime ?ime;

servis:prezime ?prezime;

servis:plata ?plata.

?osoblje rdfs:subClassOf servis:Osoblje

}

***------Prosecna plata-----***

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

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

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

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

PREFIX servis: <http://www.singidunum.ac.rs/servis#>

SELECT (avg(?plata) as ?prosecna\_plata)

{

SELECT ?plata

{

?thenicar a servis:Tehnicar.

?tehnicar servis:plata ?plata

}

}

***------Filtriranje plate (Veca od 800)-----***

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

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

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

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

PREFIX servis: <http://www.singidunum.ac.rs/servis#>

SELECT \*

WHERE {

?zaposleni a ?osoblje;

servis:ime ?ime;

servis:prezime ?prezime;

servis:plata ?plata.

?osoblje rdfs:subClassOf servis:Osoblje

FILTER(?plata > 800)

}

***------GROUP BY (Grupisanje zaposlenih na projektu)-----***

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

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

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

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

PREFIX servis: <http://www.singidunum.ac.rs/servis#>

SELECT ?projekat (COUNT(?zaposleni) as ?broj\_zaposlenih)

{

?zaposleni a ?osoblje;

servis:ime ?ime;

servis:prezime ?prezime;

servis:plata ?plata.

?osoblje rdfs:subClassOf servis:Osoblje.

?zaposleni servis:angazovanNa ?projekat

}

GROUP BY ?projekat