Queries: (These queries are written in a single line in JQuery functions, because to run this on hosted Fuseki on AWS, we needed to have a single line SPARQL queries.)

1) Find the trandate where the frequency of the given hours is greater than 100.

2) Find the avg length of stay for the TRANDATE.

3) Find the frequency and hour for the given TRANDATE.

4) Find the list of TRANDATE and hours for which the gym is open for a specific TRANDATE.

```
PREFIX rdf: <a href="http://www.w3.org/1999/02/22-rdf-syntax-ns%23">http://www.w3.org/2002/07/owl%23</a>>PREFIX rdfs: <a href="http://www.w3.org/2000/01/rdf-schema%23">http://www.w3.org/2000/01/rdf-schema%23</a>>PREFIX xsd: <a href="http://www.w3.org/2001/XMLSchema%23">http://www.semanticweb.org/jaypatel/ontologies/2002/10/SDFC%23</a>>SELECT ?tranda te ?hours ?open WHERE{ ?indv a sdfc:TRANDATE . ?indv sdfc:hasTranDate ?trandate . ?indv sdfc:hasHour ?hours . ?indv sdfc:isOpen ?open . FILTER(?open=True). }
```

5) For the given TRANDATE, find the amount by which prevFreq has grown from prevFreq2.

```
PREFIX rdf: <a href="http://www.w3.org/1999/02/22-rdf-syntax-ns%23">http://www.w3.org/2002/07/owl%23</a>PREFIX rdfs: <a href="http://www.w3.org/2000/01/rdf-schema%23">http://www.w3.org/2000/01/rdf-schema%23</a>PREFIX xsd: <a href="http://www.w3.org/2001/XMLSchema%23">http://www.semanticweb.org/jaypatel/ontologies/2001/XMLSchema%23</a>PREFIX sdfc: <a href="http://www.semanticweb.org/jaypatel/ontologies/2002/10/SDFC%23</a>SELECT ?tranda te ?prevfrequency ?difference WHERE{ ?indv a sdfc:TRANDATE . ?indv sdfc:hasTranDate ?trandate . ?indv sdfc:hasPeopleCount ?freq . ?freq sdfc:hasPrevFreq ?prevfrequency . ?freq sdfc:hasPrevFreq2 ?prevfrequency . BIND(?prevfrequency - ?prevfrequency2 as ?difference) }
```

6) Triplets:

SELECT ?subject ?predicate ?object WHERE {?subject ?predicate ?object}LIMIT 25