1. **Queries**
2. Total # of Triples in KB:  
           SELECT (COUNT (\*) as ?triples)  
           WHERE {?s ?p ?o}
3. Total # of Students:   
           SELECT (COUNT (\*) as ?students)  
           WHERE {ex.Student ?p ?o}  
     
   Total # of Courses:   
           SELECT (COUNT (\*) as ?Courses)  
           WHERE {ex.Course ?p ?o}  
     
   Total # of Topics:   
           SELECT (COUNT (\*) as ?Topics)  
           WHERE {ex.Topic ?p ?o}
4. For a course c, all covered topics using labels and links.   
           SELECT ?coveredTopics  
           WHERE {ex.Course rdf:hasTopic lang(?o) = “en”.  
                   ex.Course rdf:link ?o  
                   }
5. For a student , list all courses the student has completed with the grade.  
           SELECT ?completedCourses  
           WHERE {ex.Student rdf:hasCompleted ?c .  
                   ?c rdf:hasGrade ?completedCourses  
                   }
6. For a topic t, list all students that are familiar with the topic.  
           SELECT ?students  
           WHERE {?students rdf:hasCompleted ?c .  
                   ?c rdfs:hasTopic ex.Topic .  
                   ?c rdf:hasGrade ?grade.

FILTER(?grade!=“F” )  
  }

1. For a student, list all topics that this student is familiar with.  
           SELECT DISTINCT ?topic  
           WHERE {ex.Student rdf:hasCompleted ?c .  
                   ?c rdf:hasGrade ?grade.

?c fdfs:hasTopic ?topic.  
                FILTER (?grade!=“F”)  
                }