SQL: Set Operations

Schema

 $Student(\underline{sID},\,surName,\,firstName,\,campus,\,email,\,cgpa)$

Course(dept, cNum, name, breadth)

Offering(oID, dept, cNum, term, instructor)

Took(sID, oID, grade)

Offering[dept, cNum] $\subseteq Course[dept, cNum]$

 $Took[sID] \subseteq Student[sID]$

 $Took[oID] \subseteq Offering[oID]$

Questions

1. Assuming bag semantics, compute the following:

(a)
$$\{1, 1, 1, 3, 7, 7, 8\} \cup \{1, 5, 7, 7, 8, 8\}$$

(b)
$$\{1, 1, 1, 3, 7, 7, 8\} \cap \{1, 5, 7, 7, 8, 8\}$$

(c)
$$\{1, 1, 1, 3, 7, 7, 8\} - \{1, 5, 7, 7, 8, 8\}$$

2. Write a query to find all terms when Jepson and Suzuki were both teaching. Include duplicates of the same term.

3.	Find the sID of stude taught by Atwood.	dents who have earned Use views for the inte	a grade of 85 or ermediate steps.	more in some course, or who Do not include duplicates in	have passed a course the result.
4.	Find all terms when	n csc369 was not offere	ed.		