Assignment 6

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Question 1

a. JSON
   i. JavaScript Object Notation
   ii. standard text-based format for representing structured data based on JavaScript object syntax.
   iii. It is commonly used for transmitting data in web applications
   iv. Resembles JavaScript object literal syntax
   v. String with specified data format
b. XML
   i. Roles in different IT systems. XML is often used for distributing data over the Internet.
   ii. Create or define other languages
   iii. Markup language
   iv.

Question 2

a. Select ID from student s left outer join advisor i on s_id=i_id where i_id is not null

b. Select name, ID from instructor i join course c on i.dept_name =c.dept_name group by i.ID, i.name HAVING COUNT(DISTINCT c.course_id) = (SELECT COUNT(*) FROM course WHERE dept_name = i.dept_name) ORDER BY i.name;