## Department of Computer Applications Interesting Question to Analyze [28.04.2020]

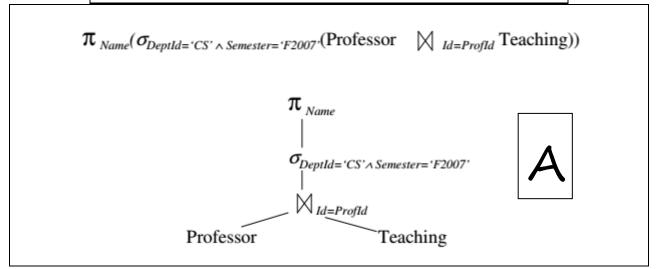
The SQL given below is to retrieve names of professor belong to Computer Science (CS) who are teaching students studying in semester F2007. Two different Relational Algebra Expression and its Query Tree A and B are shown below.

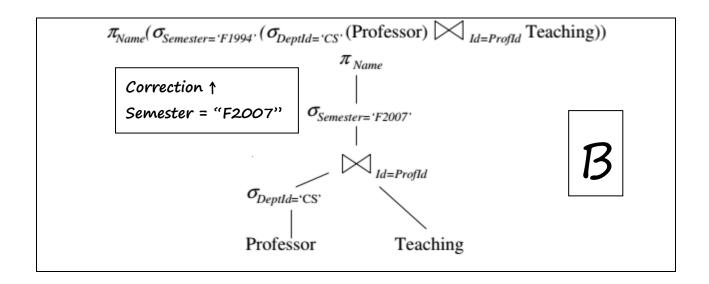
SELECT P.Name

FROM Professor P, Teaching T

WHERE P.Id = T.Profid -- join condition

AND P. Deptid = 'CS' AND T.Semester = 'F2007'





Analysis these two answers A & B. Among A and B, one is an optimized query [in terms of time and cost]; identify and justify your answer with appropriate illustration.

Best answer will be shared in the Google Classroom.

AS - 28.04.2020