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### In-Video Quiz

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#### Q2

1/1 point (ungraded)

Which of the following expressons does NOT return the names and GPAs of students with HS>1000 who applied to CS and were rejected?

☐  $\pi_{sName,GPA}(\sigma_{Student.sID=Apply.sID}(\sigma_{HS>1000}(Student) \times \sigma_{major='CS'}(Apply)))$

☐  $\pi_{sName,GPA}(\sigma_{Student.sID=Apply.sID \wedge HS>1000 \wedge major='CS' \wedge dec='F'}(Student \times Apply))$

☒  $\sigma_{Student.sID=Apply.sID}(\pi_{sName,GPA}(\sigma_{HS>1000}Student \times \sigma_{major='CS'}Apply))$



#### Explanation

The first two expressions are equivalent to the expression given in the video for this query. The third expression is invalid because the sID attributes are not included in the result of the expression to which condition Student.sID=Apply.sID is applied.

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