



[◀ Previous](#)      [Next ▶](#)

In-Video Quiz

🔖 Bookmark this page

Q1

1/1 point (ungraded)

For the relation Apply(SSN,cName,state,date,major), suppose college names are unique and students may apply to each college only once, so we have two FDs: $cName \rightarrow state$ and $SSN,cName \rightarrow date,major$. Is Apply in BCNF?

☐ Yes

☒ No



Explanation

{SSN,cName} is a key so only $cName \rightarrow state$ is a BCNF violation. Based on this violation we decompose into $A1(cName,state)$, $A2(SSN,cName,date,major)$. Now both FDs have keys on their left-hand-side so we're done.

Submit

You have used 1 of 4 attempts

[◀ Previous](#)

[Next ▶](#)

Notifications



Pursue a verified certificate

- ✓ Earn a **verified certificate** of completion to showcase on your resumé
- ✓ Support our **mission** at edX

Upgrade for \$50



edX

[About](#)

[Affiliates](#)

[edX for Business](#)

[Open edX](#)

[Careers](#)

[News](#)

 Hide Notes

Legal

- [Terms of Service & Honor Code](#)
- [Privacy Policy](#)
- [Accessibility Policy](#)
- [Trademark Policy](#)
- [Sitemap](#)

Connect

- [Blog](#)
- [Contact Us](#)
- [Help Center](#)
- [Media Kit](#)



© 2022 edX LLC. All rights reserved.
深圳市恒宇博科技有限公司 [粤ICP备17044299号-2](#)