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|---|---|
| **Started on** | Friday, 21 April 2023, 13:54 |
| **State** | Finished |
| **Completed on** | Friday, 21 April 2023, 14:01 |
| **Time taken** | 7 mins 14 secs |

Question **1**

Complete

Marked out of 30.00

*Provide a file with the SQL DDL commands for the political party database.*

Please see HW3_1.sql as attached below

≡   HW3_1.sql

Question **2**

Complete

Marked out of 6.00

Select the important FDs for the Rentals relation detected using your program.

- ☑ a.   *HID --> HZ*

- ☑ b.   *HZ --> HC*

- ☑ c.   *PID --> HID*

- ☐ d.   HS --> HZ

- ☑ e.   *HID --> HS*

- ☐ f.   *HID --> S*

- ☑ g.   *PID --> PN*

Question **3**

Complete

Marked out of 6.00

*Select the decomposed relations for the Rentals relation.*

- ☐ a.   Rentals5(*HID, HS, HC)*

- ☑ b.   Rentals1(PID, HID, S)

- ☐ c.   Rentals0(PID, PN, S)

- ☑ d.   Rentals4(*HID, HS, HZ)*

- ☑ e.   Rentals6(*PID, PN)*

- ☑ f.   Rentals2(HZ, HC)

- ☐ g.   Rentals3(HS, HZ, HC)

- ☐ h.   Rentals6(*PID, PS)*

Question **4**

Complete

Marked out of 10.00

Provide a file with the SQL DDL commands to create and populate the decomposed relations for Rentals.

Please see HW3_2DDL.sql as attached below

≡  HW3_2DDL.sql

Question **5**

Complete

Marked out of 8.00

Select the lowest normal form for any relations of the decomposed Rentals schema:

○ a.   *Some relations are only in 3NF, not in BCNF*

◉ b.   *All relations are in BCNF (and therefore also 3NF)*

Question **6**

Complete

Marked out of 5.00

Index selection for Q1:

☑ a.   Part(stock)

☐ b.   No Index

☐ c.   Part(stock, price, id)

☐ d.   Part(price)

☐ e.   Part(stock, price, descr)

☐ f.   *Part(id)*

☐ g.   Part(stock, price)

Question **7**

Complete

Marked out of 5.00

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Index selection for Q2:

☑ a.   Part(price)

☐ b.   Part(stock)

☐ c.   Part(id)

☐ d.   Part(stock, price, descr)

☐ e.   Part(stock, price)

☐ f.   Part(stock, price, id)

☐ g.   No Index

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Question **8**

Complete

Marked out of 5.00

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Index selection for Q3:

☐ a.   Part(stock, price, id)

☑ b.   Part(price)

☑ c.   Part(stock)

☐ d.   Part(stock, price)

☐ e.   No Index

☐ f.   Part(id)

☐ g.   Part(stock, price, descr)

Question **9**

Complete

Marked out of 5.00

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Index selection for Q4:

○ a.   Part(stock, price, descr)

○ b.   Part(id)

○ c.   Part(price)

○ d.   Part(stock, price)

◉ e.   No Index

○ f.   Part(stock)

○ g.   Part(stock, price, id)