

New York University
Computer Science Department
Courant Institute of Mathematical Sciences

Course Title: Database Systems
Instructor: Jean-Claude Franchitti

Course Number: csci-ga.2433-001
Session: 9

Assignment #9

I. Due

December 15, 2022 (EOD).

II. Objectives

1. Learn Database Transaction Management, Recovery, and Concurrency Control.

III. References

1. Slides and handouts posted on the course Web site
2. Textbook chapters 20-22.

IV. Software Required

1. Microsoft Word.
2. Win Zip as necessary.

V. Assignment

1. Textbook exercises: 20-19, 20-23, 21-27, 21-29, 22-23, 22-24, and 22-26
2. Save the file as a Word document.
3. Name the file “**firstname_lastname_hw_9.doc**” (e.g., “john_doe_hw_9.doc”).
4. Submit your assignment solution via Brightspace by the due date.

Use the following naming convention in the subject line of the eMail:
“DB - firstname lastname - homework 9”
(e.g.: “DB – John Doe - homework 9”).

In the case source code is submitted, include your name as a comment at the top of each file
(Note: all files submitted should include your name).

VI. Deliverables

1. Electronic:

Your assignment file must be submitted via Brightspace. The file must be created and sent by the beginning of class. After the class period, the homework is late. The email clock is the official clock.

2. Cover page and other formatting requirements:

The cover page supplied on the next page must be the first page of your assignment file.

Fill in the blank area for each field.

NOTE:

The sequence of the electronic submission is:

- 1. Cover sheet**
- 2. Assignment Answer Sheet(s)**

Assignment Layout (25%)

- o Assignment is neatly assembled on 8 1/2 by 11 layout.
- o Cover page with your name (last name first followed by a comma then first name), date, NYU ID with a signed statement of independent effort is included.
- o Answers to textbook exercises in part V.1 above are correct.
- o File name is correct.

Answers to Individual Questions:

(100 points total, all questions weighted equally)

- o Assumptions provided when required.

VII. Sample Cover Sheet:

Name _____ Date: _____
(last name, first name)

NYU ID: _____

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Total in points (100 points total): _____

Professor's Comments: