

HORIZONTAL AND VERTICAL FRAGMENTATION

OBJECTIVES

- Learn about data fragmentation, its purposes and the three main kinds of fragmentation. Namely:
 - Horizontal,
 - Vertical,
 - Derived.

ACTIVITIES

During the week, read and understand the following parts of the “Algorithms for Fragmenting Relations and the Oracle 11g Syntax” document (attached to this activity):

- What data fragmentation is in pages 32 to 35 (Section 4.1)
- The horizontal fragmentation strategy presented in pages 36 to 38 (Section 4.1.1)
- The derived fragmentation strategy presented in page 39 (Section 4.1.2)
- The vertical fragmentation strategy in pages 41 and 42 (Section 4.1.3)

DELIVERABLES

- In the “Design of Distributed Databases” lecture you will solve a short exercise during the first 10 mins. of the lecture. This exercise will have weight 1 and will be assessed for the course final mark.
- Prior to this exercise, you will be allowed to ask for questions or doubts.