



BAKER COLLEGE
STUDENT LEARNING OUTCOMES
CIS4220 Database Administration II
3 Semester Hours

Student Learning Outcomes & Enabling Objectives

1. Utilize SQL Developer to write queries and administer a DBMS
 - a. Examine the structure of a table
 - b. Check the execution plan of a query
 - c. Identify a blocking session
 - d. Terminate a blocking session
 2. Administer Database Monitoring
 - a. Administer database availability & performance
 - b. Administer changes
 - c. Administer security
 - d. Administer backups
 3. Identify troubleshooting processes to fixing Oracle Issues
 - a. Use the Five Step Problem Solving Method
 - b. Explain Incident Management VS Problem Management
 - c. Identify Error Codes
 4. Administer Oracle DBMS Backups with the RMAN Utility
 - a. Execute Backups
 - b. Execute Database Restores
 - c. Execute Flashback Database
 5. Perform Database Maintenance of the Oracle DBMS
 - a. Perform Auditing and Log Files
 - b. Perform User Management
 - c. Perform Capacity Management d. Perform Patching
 6. Understand the components of a cloud environment running an Oracle DBMS
 - a. Analyze the economies of scale running a DBMS environment in-house versus cloud
 - b. Discuss the advantages and disadvantages of the various cloud DBMS environments
 - c. Describe the differences supporting and administering a DBMS cloud versus internal environment
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These SLOs are approved for experiential credit.

Effective: Fall 2017