ORACLE®
Academy

Database Foundations
6-7 : Restricting Data Using WHERE Statement
Practice Solutions

Exercise 1: Restricting Data Using SELECT

Overview
In this practice you limit the rows displayed with:
- The WHERE clause
- The comparison operators
- Logical conditions using AND, OR, and NOT operators

Tasks
1. Display the course details for the Spring Session.

   Solution:
   ```
   SELECT ID, NAME, SESSION_ID, DEPT_ID
   FROM AD_COURSES
   WHERE SESSION_ID = 100;
   ```

2. Display the details of the students who have scored more than 95.

   Solution:
   ```
   SELECT STUDENT_ID, EXAM_ID, COURSE_ID, EXAM_GRADE
   FROM AD_EXAM_RESULTS
   WHERE EXAM_GRADE > 95;
   ```

3. Display the details of the students who have scored between 65 and 70.

   Solution:
   ```
   SELECT STUDENT_ID, EXAM_ID, COURSE_ID, EXAM_GRADE
   FROM AD_EXAM_RESULTS
   WHERE EXAM_GRADE BETWEEN 65 AND 70;
   ```

4. Display the students who registered after 01-Jun-2012.

Solution:
```
SELECT ID, FIRST_NAME, LAST_NAME, REG_YEAR
FROM   AD_STUDENTS
WHERE  REG_YEAR > '01-Jun-2012' ;
```

5. Display the course details for departments 10 and 30.

Solution:
```
SELECT NAME, SESSION_ID, DEPT_ID
FROM AD_COURSES
WHERE DEPT_ID IN (10, 30);
```

6. Display the details of students whose first name begins with the letter "J".

Solution:
```
SELECT    FIRST_NAME, LAST_NAME
FROM      AD_STUDENTS
WHERE     FIRST_NAME LIKE 'J%';
```

7. Display the details of students who have opted for courses 190 or 193.

Solution:
```
SELECT STUDENT_ID, COURSE_ID
FROM AD_STUDENT_COURSE_DETAILS
WHERE COURSE_ID = 190 OR COURSE_ID = 193;
```

8. Display the course details offered by department 30 for the Fall Session (Session ID 200)

Solution:
```
SELECT ID, NAME, SESSION_ID
FROM AD_COURSES
WHERE DEPT_ID = 20 AND SESSION_ID =200;
```

9. Display the course details of courses not being offered in the summer and fall session (Session ID 200 and 300).

Solution:
```
SELECT ID, NAME, SESSION_ID
FROM AD_COURSES
WHERE SESSION_ID NOT IN (200,300);
```

10. Display the course details for department 20.

    Solution:
    ```sql
    SELECT ID, NAME, SESSION_ID, DEPT_ID
    FROM AD_COURSES
    WHERE DEPT_ID = 20;
    ```