



CSE 311L(Database Management System)

LAB-Week 02 (Lecture 1)

Topics:

- ▶ Basic SELECT Statement
- ▶ Selecting All Columns, Specific Columns
- ▶ Arithmetic Expressions, Using Arithmetic Operators, Parenthesis
- ▶ Defining a Column Alias

Basic SELECT Statement

```
SELECT *|{[DISTINCT] FROM table; column|expression [alias],...}
```

Arithmetic Operators

```
SELECT last_name, salary, 12*(salary+100)
FROM employees;
```

Using Column Aliases

```
SELECT last_name "Name", salary*12 "Annual Salary" FROM
employees;
```

Activity 01:

Write a query that displays the last name , weekly salary, department number of the employees. Name the salary column as "Weekly Salary".

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Objectives:

After completing this lesson, you should be able to do the following:

- ▶ Eliminating Duplicate Rows
- ▶ Displaying Table Structure
- ▶ Concatenation Operator

Using the Concatenation Operator

```
SELECT last_name || ' is a ' || job_id  
AS "Employee Details"  
FROM employees;
```

Eliminating Duplicate Rows

```
SELECT DISTINCT department_id  
FROM employees;
```

Displaying Table Structure

```
SELECT DISTINCT department_id  
FROM employees;
```

Activity 01:

Write a query that displays the last name concatenated with the job ID, separated by a comma and space, and name the column Employee and Title.