

## CSE 311L(Database Management System)

### LAB-Week 02 (Part A)

*Instructor: Nazmul Alam Diptu*

#### Topics:

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

#### Basic SELECT Statement

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

#### Arithmetic Operators

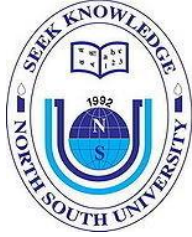
```
SELECT last_name, salary, 12*(salary+100)  
FROM employees;
```

#### 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".



## CSE 311L(Database Management System)

### LAB-Week 02 (Part B)

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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 CONCAT(last_name,' is a ',job_id)
AS "Employee Details"
FROM employees;
```

#### Eliminating Duplicate Rows

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

#### Displaying Table Structure

```
DESCRIBE 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.