**Database Management Week 3**

* Collect bulk rows
  + Array
    - TYPE Arr\_Cust IS TABLE OF Rec\_Cust
    - FETCH cr BULK COLLECT INTO l\_cust;
  + For Bulk DML
    - Don’t use just “FOR” loop, use FORALL
* Stored Functions, Procedures, and Triggers
  + Until now, our code blocks are anonymous, cant be called
  + Useful to store blocks of code in functions and procedures
* CALLING PROCEDURES
  + Positional Notation
    - greeting(‘Hi’, ”Carlos’)
    - feeding parameters based on order of position
  + Named Notation
    - Greeting(pl\_name => ‘John’)
  + Mixed notation
    - Mix of Positional and named notation
* Parameters
  + IN: In parameter is read-only, immutable
  + OUT: Out parameter is writable, and is usually what we return when the procedure is called
  + In/out: When one parameter has an IN, and one parameter has an OUT
* Functions
  + Same thing except for 2 things
  + Function always returns a value
  + Function cant make changes to the database such as executing an INSERT, UPDATE, DELETE
* Package
  + A broad umbrella where we can store many functions and procedures
  + To call it, do package name.fucntion/procedure name
  + EmployeeSalaryPackage.Calculate()