



# CSE 311: Database Management System Lab

Faculty – Afn1

## Lab – 1 (Practice): Create Database

- Create a database
- Create tables within a database
- Insert valid data into the related tables

- Create a database named “employee\_information”

- Create a Table named “Employees”

Name	Null?	Type
Employee_Id	Not, Primary	INT
First_Name		VARCHAR(20)
Last_Name	Not	VARCHAR(25)
Email	Not	VARCHAR(25)
Phone_Number		VARCHAR(15)
Hire_Date	Not	DATE
Job_Id	Not	VARCHAR(10)
Salary		DOUBLE
Commission_pct		DOUBLE
Manager_id		INT
Department_Id		INT

- Insert to “Employees” table
  - 100, 'Steven','King', 'SKING', '515.123.4567', '2006-06-17', 'AD\_PRES', 24000, NULL, NULL, 90
  - 101, 'Neena','Kochar', 'NKOCHAR', '515.123.4568', '2008-09-21', 'AD\_VP', 17000, NULL, 100, 90
  - 102, 'Lex','De Haan', 'DEHAAN', '515.123.4569', '2009-01-13', 'AD\_VP', 17000, NULL, 100, 90
  - 103, 'Alexander','Hunold', 'AHUNOLD', '590.423.4567', '2008-01-03', 'IT\_PROG', 9000, NULL, 102, 60
  - 104, 'Bruce','Ernst', 'BERNST', '590.423.4568', '2009-05-21', 'IT\_PROG', 6000, NULL, 103, 60
  - 107, 'Diana','Lorentz', 'DLORENTZ', '590.423.5567', '2008-02-07', 'IT\_PROG', 4200, NULL, 103, 60
  - 124, 'Kevin','Mourgos', 'KMORGOS', '650.123.5234', '2012-11-16', 'ST\_MAN', 5800, NULL, 100, 50

- 141, 'Treena', 'Rajs', 'RRAJS', '650.121.5234', '2004-10-17', 'ST\_CLERK', 3500, NULL, 124, 50
- 142, 'Curtis', 'Davies', 'CDAVIES', '121.123.5234', '2007-01-29', 'ST\_CLERK', 3100, NULL, 124, 50
- 143, 'Randall', 'Matos', 'RMATOS', '121.123.5234', '2008-05-15', 'ST\_CLERK', 2600, NULL, 124, 50
- 144, 'Peter', 'Vargas', 'PVARGAS', '121.123.5234', '2008-07-09', 'ST\_CLERK', 2500, NULL, 124, 50
- 149, 'Eleni', 'Zlotkey', 'EZLOTKEY', '44.1344.429018', '2014-01-29', 'SA\_MAN', 10500, .2, 100, 80
- 174, 'Ellen', 'Abel', 'EABEL', '44.1644.429017', '2004-05-11', 'SA\_REP', 11000, .3, 149, 80
- 176, 'Jnathon', 'Taylor', 'JTAILOR', '44.1644.429021', '2008-03-24', 'SA\_MAN', 8600, .2, 149, 80
- 178, 'Kimberely', 'Grant', 'KGRANT', '44.1644.429023', '2009-05-24', 'SA\_MAN', 7000, .15, 149, NULL
- 200, 'Jennifer', 'Whalem', 'JWHALEN', '515.123.4444', '2003-09-05', 'AD\_ASST', 4400, NULL, 101, 10
- 201, 'Michael', 'Hartstein', 'MHARSTEIN', '515.123.5555', '2008-02-17', 'MK\_MAN', 13000, NULL, 100, 20
- 202, 'Pat', 'Fay', 'PFAY', '603.123.6666', '2010-08-07', 'MK\_REP', 6000, NULL, 201, 20
- 205, 'Shelley', 'Higgins', 'SHIGGINS', '515.123.8050', '2007-06-17', 'AC\_MGR', 12000, NULL, 101, 110
- 206, 'William', 'Gietz', 'WGIETZ', '515.123.8181', '2007-06-07', 'AC\_ACCOUNT', 8300, NULL, 205, 110

- Create Table named “Departments”

Name	Null?	Type
Department_id	Not, Primary	INT
Department_Name	Not	VARCHAR(30)
Manager_id		INT
Location_id		INT

- 10, 'Administration', 200, 1700)
- 20, 'Marketing', 201, 1800)
- 50, 'Shipping', 124, 1500)
- 60, 'IT', 103, 1400)
- 80, 'Sales', 149, 2500)
- 90, 'Executive', 100, 1700)
- 110, 'Accounting', 205, 1700)
- 190, 'Contracting', NULL, 1700)

- Create table named “Locations”

Name	Null?	Type
Location_id	Not, Primary	INT
Street_Address		VARCHAR(40)
Postal_Code		VARCHAR(12)
City	Not	VARCHAR(30)
State_Province		VARCHAR(25)
Country_ID		VARCHAR

- 1400, '2014 Jabberwocky Rd','26192','Southlake', 'Texas', 'US')
- (1500, '2011 Interiors Blvd','99236','South San Francisco', 'California', 'US')
- (1700, '2004 Charade Rd','98199', 'Seattle','Washington', 'US')
- (1800, '460 Bloor St. W.','ON M5S 1X8', 'Toronto','Ontario', 'CA')
- (2500, 'Magdalen Centre- The Oxford Sc. Park','OX9 9ZB', 'OXford','Oxford', 'UK')

- Create table named “Jobs”

Name	Null?	Type
job_id	Not, Primary	VARCHAR(10)
Job_title		VARCHAR(35)
min_salary		INT
max_salary		INT

- ('AD\_PRE\$', 'President',20000,40000)
- ('AD\_VP', 'Administration Vice President',15000, 30000)
- ('AD\_ASST', 'Administration Assistant',3000, 6000)
- ('AC\_MGR', 'Account Manager',8200, 16000)
- ('AC\_ACCOUNT', 'Public Accountant',4200,9000)
- ('SA\_MAN', 'Sales Manager',10000, 20000)
- ('SA\_REP', 'Sales Representative',6000, 12000)
- ('ST\_MAN', 'Stock Manager',5500, 8500)
- ('ST\_CLERK', 'Stock Clerk',2000, 5000)
- ('IT\_PROG', 'Programmer',4000, 10000)
- ('MK\_MAN', 'Marketing Manager',9000, 15000)
- ('MK\_REP', 'Marketing Representative',4000, 9000)