



CSE 311: Database Management System Lab

Faculty – Nda

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)