

INST 327 – Database Design and Modeling

Assignment 1 - Due: Monday, February 18, 2019, 11:59 PM

Questions

Be sure to complete all four questions.

Q.1) (25 points) Use the *ex database* for this question. Write a query that replicates the result set below, matching all data and format aspects, including column headers:

customer_name	customer_address_line1	customer_address_line2	customer_phone
Hardy, Thomas	83 d'Urberville Ln	Casterbridge, GA 31209	Ph #: (478) 555-1139
Jablonski, Karl	305 - 14th Ave. S. Suite 3B	Seattle, WA 98128	Ph #: (206) 555-4112
Latimer, Yoshi	City Center Plaza 516 Main St.	Elgin, OR 97827	Ph #: (503) 555-6874
Lebihan, Laurence	717 E Michigan Ave	Chicago, IL 60611	Ph #: (312) 555-9441
Lincoln, Elizabeth	4562 Rt 78 E	Vancouver, WA 98684	Ph #: (360) 555-2680
Moos, Hanna	1778 N Bovine Ave	Peoria, IL 61638	Ph #: (309) 555-8755
Moreno, Antonio	6925 N Parkland Ave	Puyallup, WA 98373	Ph #: (253) 555-8332
Nagy, Helvetius	722 DaVinci Blvd.	Concord, MA 01742	Ph #: (351) 555-1219
Nixon, Liz	89 Jefferson Way Suite 2	Providence, RI 02909	Ph #: (401) 555-3612
Pavarotti, Jose	187 Suffolk Ln.	Boise, ID 83720	Ph #: (208) 555-8097
Phillips, Rene	2743 Bering St.	Anchorage, AK 99508	Ph #: (907) 555-7584
Snyder, Howard	2732 Baker Blvd.	Eugene, OR 97403	Ph #: (503) 555-7555
Steel, John	12 Orchestra Terrace	Walla Walla, WA 99362	Ph #: (509) 555-7969
Summer, Martin	1877 Ete Ct	Frogtown, LA 70563	Ph #: (337) 555-9441

14 result rows returned

Q.2) (25 points) Use the *ex database* for this question. Write a query that replicates the result set below, matching all data and format aspects, including column headers:

invoice_number	invoice_due_date	invoice_total	balance_level
inv #: 40318	2014/07/20	21842.00	balance over \$1000
inv #: 39104	2014/07/20	85.31	LOW BALANCE
inv #: 0-2436	2014/07/17	10976.06	balance over \$1000
inv #: 109596	2014/07/11	41.80	LOW BALANCE
inv #: 97/522	2014/07/10	1962.13	balance over \$1000
inv #: 97/553	2014/07/09	904.14	LOW BALANCE
inv #: 97/553B	2014/07/09	313.55	LOW BALANCE
inv #: 134116	2014/07/02	90.36	LOW BALANCE

inv #: P-0608	2014/06/30	20551.18	balance over \$1000
inv #: 367447	2014/06/30	2433.00	balance over \$1000
inv #: 963253272	2014/06/29	61.50	LOW BALANCE
inv #: 111-92R-10092	2014/06/29	46.21	LOW BALANCE
inv #: 263253273	2014/06/29	30.75	LOW BALANCE
inv #: 963253271	2014/06/28	158.00	LOW BALANCE
inv #: 111-92R-10093	2014/06/28	39.77	LOW BALANCE
inv #: 111-92R-10094	2014/06/27	19.67	LOW BALANCE
inv #: 989319-497	2014/06/26	2312.20	balance over \$1000
inv #: 111-92R-10095	2014/06/26	32.70	LOW BALANCE
inv #: 547481328	2014/06/25	224.00	LOW BALANCE
inv #: 263253270	2014/06/25	67.92	LOW BALANCE
inv #: 963253269	2014/06/25	26.75	LOW BALANCE
inv #: 111-92R-10096	2014/06/25	16.33	LOW BALANCE
inv #: 21-4748363	2014/06/25	9.95	LOW BALANCE
inv #: I77271-O01	2014/06/24	662.00	LOW BALANCE
inv #: 547480102	2014/06/24	224.00	LOW BALANCE
inv #: 263253268	2014/06/24	59.97	LOW BALANCE
inv #: 963253267	2014/06/24	23.50	LOW BALANCE
inv #: 111-92R-10097	2014/06/24	16.33	LOW BALANCE
inv #: 963253264	2014/06/23	52.25	LOW BALANCE
inv #: 263253265	2014/06/23	26.25	LOW BALANCE
inv #: 547479217	2014/06/22	116.00	LOW BALANCE
inv #: 963253263	2014/06/22	109.50	LOW BALANCE
inv #: 963253262	2014/06/21	42.50	LOW BALANCE
inv #: 25022117	2014/06/21	6.00	LOW BALANCE
inv #: 989319-487	2014/06/19	1927.54	balance over \$1000
inv #: 43966316	2014/06/19	10.00	LOW BALANCE
inv #: 9982771	2014/06/18	503.20	LOW BALANCE
inv #: 203339-13	2014/06/13	17.50	LOW BALANCE
inv #: 31359783	2014/06/09	1575.00	balance over \$1000
inv #: 31361833	2014/06/09	579.42	LOW BALANCE

40 result rows returned

Q.3) (25 points) Use the *ex database* for this question. Write a query that replicates the result set below, matching all data and format aspects, including column headers.

employee_name	department_name	project_number
Robert Aaronsen	Payroll	P1012
Thomas Hardy	Maintenance	NULL
Olivia Hernandez	Accounting	P1011
Elmer Jones	Personnel	NULL
Paulo Locario	NULL	P1013
Rhea O'Leary	Personnel	P1011
Ralph Simonian	Payroll	P1012
Cindy Smith	Payroll	P1012
Denise Watson	NULL	P1013

9 result rows returned

Q.4) (25 points) Use the *ap database* for this question. Write a query that replicates the result set below, matching all data and format aspects, including column headers:

invoice_id	account_description	line_item_description	line_item_amount
103	Freight	Freight	2051.59
63	Freight	Freight	2115.81
51	Freight	Freight	2184.11
79	Direct Mail Advertising	PC card deck	2184.50
60	Freight	Freight	2312.20
80	Freight	Freight	2318.03
56	Books, Dues, and Subscriptions	Card deck	2433.00
45	Freight	Freight	2765.36
107	Freight	Freight	3689.99
1	Freight	Freight	3813.33
21	Outside Services	Office lease	4901.26
65	Book Printing Costs	OS Utilities	6940.25
31	Outside Services	Web site design	7125.34
112	Book Printing Costs	VSAM book printing	10976.06
102	Book Printing Costs	CICS book printing	20551.18
43	Book Printing Costs	Book repro	21842.00
106	Book Printing Costs	DB2 book printing	23517.58
96	Book Printing Costs	MVS JCL	26881.40
39	Book Printing Costs	CICS Desk Reference	37966.19

19 result rows returned