

1. Return the employee ID and name with the employee's manager name and ID. Label the columns as shown. Sort by employee ID.

EMP#	EMPLOYEE	MANAGER	MGR#
105	Sandy Black	Terry Manis	104
106	Janis Hill	Terry Manis	104
107	Jim Smith	Sandy Black	105
108	Jane White	Janis Hill	106
109	Troy Mansion	Jim Smith	107
111	Lisa James	Lauren Alexander	110
112	Dave Bernard	Lisa James	111
113	Steve Carr	Dave Bernard	112
114	Marg Horner	Lisa James	111
116	Robert Henry	Lisa James	111
117	Trish Albert	Steve Carr	113
118	Janice Harper	Dave Bernard	112
119	Dave Nisbet	Lauren Alexander	110
120	Anne Richie	Lisa James	111
121	William Johnson	Lauren Alexander	110
122	Jake Lee	Steve Carr	113
123	Linda Johnson	Marg Horner	114
124	Scott Long	Steve Carr	113
125	Terry Maxwell	Dave Bernard	112
126	Sue McDonald	Lauren Alexander	110
127	Sharron Evans	Marg Horner	114
131	Barb Gibbens	Jim Best	115
132	Bob Allan	Marg Horner	114
135	Greg Zimmerman	Jim Best	115
139	Rick Peters	Lauren Alexander	110

2. Return all employees and their manager, even if the employee does not have a manager. If the employee is not assigned to a manager, display "Not assigned" for manager name and dashes (---) for the manager id. Sort by employee ID.

EMP#	EMPLOYEE	MANAGER	MGR#
---	-----	-----	---
104	Terry Manis	Not assigned	---
105	Sandy Black	Manis	104
106	Janis Hill	Manis	104
107	Jim Smith	Black	105
108	Jane White	Hill	106
109	Troy Mansion	Smith	107
110	Lauren Alexander	Not assigned	---
111	Lisa James	Alexander	110
112	Dave Bernard	James	111
113	Steve Carr	Bernard	112
114	Marg Horner	James	111
115	Jim Best	Not assigned	---
116	Robert Henry	James	111
117	Trish Albert	Carr	113
118	Janice Harper	Bernard	112
119	Dave Nisbet	Alexander	110
120	Anne Richie	James	111
121	William Johnson	Alexander	110
122	Jake Lee	Carr	113
123	Linda Johnson	Horner	114
124	Scott Long	Carr	113
125	Terry Maxwell	Bernard	112
126	Sue McDonald	Alexander	110
127	Sharron Evans	Horner	114
131	Barb Gibbens	Best	115
132	Bob Allan	Horner	114
135	Greg Zimmerman	Best	115
136	Paula Morris	Not assigned	---
139	Rick Peters	Alexander	110

3. Return manager ID and name with the employees that work for each manager. Label the columns as shown. Only return employees that work for managers 110, 111, and 112. Sort employee ID within manager ID.

Mgr#	MANAGER	Emp#	EMPLOYEE
110	Lauren Alexander	111	Lisa James
110	Lauren Alexander	119	Dave Nisbet
110	Lauren Alexander	121	William Johnson
110	Lauren Alexander	126	Sue McDonald
110	Lauren Alexander	139	Rick Peters
111	Lisa James	112	Dave Bernard
111	Lisa James	114	Marg Horner
111	Lisa James	116	Robert Henry
111	Lisa James	120	Anne Richie
112	Dave Bernard	113	Steve Carr
112	Dave Bernard	118	Janice Harper
112	Dave Bernard	125	Terry Maxwell

4. Return employee name and hire date and the employee manager's name and hire date for those employees hired before their manager. Label the columns as shown. Sort by employee last name.

EMPLOYEE	EMP_HIRE_DATE	MANAGER	MGR_HIRE_DATE
Steve Carr	2007-07-29	Dave Bernard	2010-07-24
Marg Horner	2007-06-13	Lisa James	2008-02-15

5. Return department name, employee name, and job title. Sort last name within department name.

DEPARTMENT_NAME	EMPLOYEE_NAME	JOB_TITLE
-----+	-----+	-----+
Accounting	Sandy Black	Department Manager
Administration	Terry Manis	Department Manager
Home Theatre	Dave Bernard	Department Manager
Home Theatre	Janice Harper	Sales Associate
Home Theatre	Terry Maxwell	Sales Associate
Home Theatre	Jim Smith	Sales Associate
Information Technology	Bob Allan	Software Developer
Information Technology	Paula Morris	Software Developer
Information Technology	Rick Peters	Software Developer
Information Technology	Greg Zimmerman	Software Developer
Major Appliances	Sharron Evans	Sales Associate
Major Appliances	Robert Henry	Sales Associate
Major Appliances	Marg Horner	Sales Associate
Major Appliances	Lisa James	Department Manager
Major Appliances	Linda Johnson	Sales Associate
Major Appliances	Anne Richie	Sales Associate
Major Appliances	Jane White	Sales Associate
Small Appliances	Jim Best	Sales Associate
Small Appliances	Troy Mansion	Sales Associate
Training	Lauren Alexander	Department Manager
Training	Scott Long	Trainer
Video Games	Trish Albert	Sales Associate
Video Games	Steve Carr	Department Manager
Video Games	Janis Hill	Sales Associate
Video Games	Jake Lee	Sales Associate

6. Return customer name, order id, and order total. Sort order total descending within customer name.  
Hint: GROUP BY

CUSTOMER_NAME	ORDER_ID	ORDER_TOTAL
-----+	-----+	-----+
Best Digital Products	1009	2580.00
Best Digital Products	1001	1524.90
Best Digital Products	1005	1319.80
Everything Electronics	1000	2724.87
Everything Electronics	1007	2189.90
Everything Electronics	1004	894.99
Worldwide Digital Inc	1006	1190.00
Worldwide Digital Inc	1002	825.00
Worldwide Digital Inc	1003	736.45
Worldwide Digital Inc	1008	495.00

7. Using the B\_ database, return a list of customers and orders as shown below. Sort product code within order id within customer name.

CUSTOMER_NAME	ORDER_DATE	ORDER_ID	PRODUCT_CODE	QUANTITY	PRICE_PAID	DESCRIPTION
Best Digital Products	2020-09-14	1001	AT94	2	165.00	Iron
Best Digital Products	2020-09-14	1001	CD52	2	349.95	Microwave Oven
Best Digital Products	2020-09-14	1001	KL62	1	495.00	Dryer
Best Digital Products	2020-10-20	1005	KL62	4	329.95	Dryer
Best Digital Products	2020-11-16	1009	KV29	2	1290.00	Treadmill
Everything Electronics	2020-09-13	1000	CD52	2	165.00	Microwave Oven
Everything Electronics	2020-09-13	1000	DR93	1	495.00	Black Gas-Range
Everything Electronics	2020-09-13	1000	DW11	3	399.99	Washer
Everything Electronics	2020-09-13	1000	KL62	2	349.95	Dryer
Everything Electronics	2020-10-18	1004	DR93	1	495.00	Black Gas-Range
Everything Electronics	2020-10-18	1004	DW11	1	399.99	Washer
Everything Electronics	2020-11-15	1007	BV06	2	794.95	Home Gym
Everything Electronics	2020-11-15	1007	CD52	4	150.00	Microwave Oven
Worldwide Digital Inc	2020-09-15	1002	KT03	1	495.00	Dishwasher
Worldwide Digital Inc	2020-09-15	1002	KV29	2	165.00	Treadmill
Worldwide Digital Inc	2020-10-17	1003	AT94	11	21.95	Iron
Worldwide Digital Inc	2020-10-17	1003	KT03	1	495.00	Dishwasher
Worldwide Digital Inc	2020-11-14	1006	KT03	2	595.00	Dishwasher
Worldwide Digital Inc	2020-11-16	1008	DR93	1	495.00	Black Gas-Range