

16/20

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ASSIGNMENT 1

(EACH PAGE CONTAINS ONE QUERY AND OUTPUT)

/*QUERY 1*/

```
SELECT EMP_NUM AS [EMPLOYEE'S NUMBER], EMP_FNAME AS [FIRST NAME], EMP_LNAME AS [LAST NAME], EMP_INITIAL AS [MIDDLE INITIAL]
FROM EMPLOYEE
```

100 %

Results Messages

	EMPLOYEE'S NUMBER	FIRST NAME	LAST NAME	MIDDLE INITIAL
1	100	George	Kolmycz	D
2	101	Rhonda	Lewis	G
3	102	Rhett	Vandam	NULL
4	103	Anne	Jones	M
5	104	John	Lange	P
6	105	Robert	Williams	D
7	106	Jeanine	Smith	K
8	107	Jorge	Diante	D
9	108	Paul	Wiesenbach	R
10	109	George	Smith	K
11	110	Leighla	Genkazi	W
12	111	Rupert	Washington	E
13	112	Edward	Johnson	E
14	113	Melanie	Smythe	P
15	114	Marie	Brandon	G
16	115	Hermine	Saranda	R
17	116	George	Smith	A

/*QUERY 2*/



```
SELECT V_NAME AS [VENDOR NAME], V_CONTACT AS [VENDOR CONTACT NAME], V_STATE AS [STATE OF VENDOR], V_ORDER AS [VENDOR STATUS]
FROM PRODUCT, VENDOR WHERE PRODUCT.V_CODE = VENDOR.V_CODE
```

X No need to use two tables. only the vendor table is sufficient since

all attributes need in your query are available in the vendor table.

The question is asking for those vendors only who supply products. This requires vendors to be active vendors - where V_order = 'Y'.

	VENDOR NAME	VENDOR CONTACT NAME	STATE OF VENDOR	VENDOR STATUS
1	Rubicon Systems	Orton	FL	Y
2	Gomez Bros.	Ortega	KY	N
3	Gomez Bros.	Ortega	KY	N
4	Randsets Ltd.	Anderson	GA	Y
5	Randsets Ltd.	Anderson	GA	Y
6	ORDVA, Inc.	Hakford	TN	Y
7	ORDVA, Inc.	Hakford	TN	Y
8	Rubicon Systems	Orton	FL	Y
9	Bryson, Inc.	Smithson	TN	Y
10	Gomez Bros.	Ortega	KY	N
11	ORDVA, Inc.	Hakford	TN	Y
12	Bryson, Inc.	Smithson	TN	Y
13	D&E Supply	Singh	TN	Y
14	Rubicon Systems	Orton	FL	Y

Please place each SQL clause on its own line
SELECT
FROM
WHERE

/*QUERY 3*/

Vendor State

```
SELECT V_NAME AS [VENDOR'S NAME], V_CONTACT AS [VENDOR CONTACT NAME], V_STATE AS [STATE OF VENDOR], V_ORDER AS [VENDOR STATUS]  
FROM VENDOR WHERE V_STATE = 'TN'
```

100 %

Results Messages

VENDOR'S NAME VENDOR CONTACT NAME STATE OF VENDOR VENDOR STATUS

1 Bryson, Inc. Smithson TN Y

2 D&E Supply Singh TN Y

3 Brackman Bros. Browning TN N

4 ORDVA, Inc. Hakford TN Y

5 Damal Supplies Smythe TN N

/*QUERY 4*/

```
SELECT V_NAME AS [VENDOR'S NAME], V_CONTACT AS [VENDOR CONTACT NAME], V_STATE AS [STATE OF VENDOR], V_ORDER AS [VENDOR STATUS]  
FROM VENDOR WHERE V_STATE = 'TN' AND V_ORDER = 'Y'
```

100 %

Results Messages

	VENDOR'S NAME	VENDOR CONTACT NAME	STATE OF VENDOR	VENDOR STATUS
1	Bryson, Inc.	Smithson	TN	Y
2	D&E Supply	Singh	TN	Y
3	ORDVA, Inc.	Hakford	TN	Y

/*QUERY 5*/

```
SELECT CUS_CODE AS [CUSTOMER CODE], (CUS_FNAME + CUS_LNAME) AS [FULL NAME-(ORDER IS F&LNAME)], CUS_BALANCE AS [BALANCE THEY OWE]  
FROM CUSTOMER WHERE CUS_BALANCE >=500.00 ORDER BY CUS_LNAME ASC
```

100 %

Results Messages

	CUSTOMER CODE	FULL NAME-(ORDER IS F&LNAME)	BALANCE THEY OWE
1	10013	PaulOlowski	536.75
2	10017	GeorgeWilliams	768.93

need a space between First and
last names. -4/2

/*QUERY 6*/

```
SELECT EMP_NUM AS [EMPLOYEE NUMBER], (EMP_FNAME + EMP_LNAME) AS [EMPLOYEE FULL NAME], EMP_YEARS AS [NUMBER OF YEARS]
FROM EMPLOYEE WHERE EMP_YEARS < 5 ORDER BY EMP_YEARS ASC
```



100 %

Results Messages

	EMPLOYEE NUMBER	EMPLOYEE FULL NAME	NUMBER OF YEARS
1	113	MelanieSmythe	3
2	105	RobertWilliams	4



space!

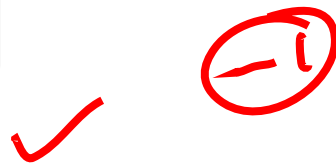
/*QUERY 7*/

```
SELECT INVOICE.INV_NUMBER AS [INVOICE NUMBER], P_CODE AS [PRODUCT CODE OF ITEM], LINE_UNITS AS [QUANTITY PURCHASED],  
LINE_PRICE AS [UNIT PRICE] FROM INVOICE, LINE WHERE INVOICE.INV_NUMBER = LINE.INV_NUMBER AND INVOICE.INV_NUMBER = '1008'
```

Again, only the LINE entity suffices

Results Messages

	INVOICE NUMBER	PRODUCT CODE OF ITEM	QUANTITY PURCHASED	UNIT PRICE
1	1008	PVC23DRT	5.00	5.87
2	1008	WR3/TT3	3.00	119.95
3	1008	23109-HB	1.00	9.95



/*QUERY 8*/

```
SELECT INV_NUMBER AS [INVOICE NUMBER], CUS_PHONE AS [CUSTOMER NUMBER], INV_DATE AS [DATE ISSUED]  
FROM CUSTOMER, INVOICE WHERE CUSTOMER.CUS_CODE = INVOICE.CUS_CODE AND CUSTOMER.CUS_CODE = '10014'
```

100 %

Results Messages

	INVOICE NUMBER	CUSTOMER NUMBER	DATE ISSUED
1	1001	222-1672	2018-01-16 00:00:00.000
2	1006	222-1672	2018-01-17 00:00:00.000

Again, only invoice
entry contains all
the data requested

①

/*QUERY 9*/

```
SELECT P_CODE AS [PRODUCT CODE], P_DESCRIPT AS [PRODUCT DESCRIPTION], P_QOH AS [QUANTITY ON HAND],  
P_PRICE AS [UNIT PRICE] FROM PRODUCT WHERE PRODUCT.P_DESCRIPT LIKE '%HAMMER%'
```



100 %

Results Messages

	PRODUCT CODE	PRODUCT DESCRIPTION	QUANTITY ON HAND	UNIT PRICE
1	23109-HB	Claw hammer	23	9.95
2	23114-AA	Sledge hammer, 12 lb.	8	14.40



```
/*QUERY 10*/
```

```
SELECT CUS_CODE AS [CUSTOMER NUMBER], COUNT(INV_NUMBER) AS [NUM OF INVOICES]  
FROM INVOICE WHERE CUS_CODE = CUS_CODE GROUP BY CUS_CODE
```

why do you need this
if you are only dealing with
one entity

-4/2



	CUSTOMER NUMBER	NUM OF INVOICES
1	10011	3
2	10012	1
3	10014	2
4	10015	1
5	10018	1