

H.W Chapter 7

P 1-5

1)

SQLQuery1.sql - S...ADM\vpk03940 (55))*

```
select [EMP_NUM],[EMP_LNAME],[EMP_FNAME],[EMP_INITIAL]
from [dbo].[CH07_ConstructCo_EMPLOYEE]
where [EMP_LNAME] Like 'smith%'
order by [EMP_NUM];
```

100 %

Results Messages

	EMP_NUM	EMP_LNAME	EMP_FNAME	EMP_INITIAL
1	106	Smithfield	William	
2	109	Smith	Larry	W
3	112	Smithson	Darlene	M

2)

The screenshot shows the SQL Server Enterprise Manager interface. On the left, a tree view displays a database schema with tables: `ConstructCo_EMPLOYEE`, `ConstructCo_JOB`, `ConstructCo_PROJECT`, and `ConstructCo_SCHEDULE`. The `ConstructCo_EMPLOYEE` table is selected, showing its columns: `EMP_NUM` (numeric(3,0)), `EMP_FNAME` (varchar(15)), `EMP_LNAME` (varchar(15)), `EMP_INITIAL` (varchar(1)), `EMP_HIREDATE` (datetime), `EMP_JOB_CODE` (varchar(3)), and `EMP_SALARY` (numeric(8,2)).

The main pane displays a SQL query:

```
select
P.[PROJ_NAME],
P.[PROJ_VALUE],
P.[PROJ_BALANCE],
E.[EMP_FNAME],
E.[EMP_LNAME],
E.[EMP_INITIAL],
J.[JOB_DESCRIPTION],
J.[JOB_CHG_HOUR],
E.[JOB_CODE]
from
[dbo].[CH07_ConstructCo_EMPLOYEE] E
join [dbo].[CH07_ConstructCo_PROJECT] P on E.EMP_NUM=P.EMP_NUM
join [dbo].[CH07_ConstructCo_JOB] J on E.JOB_CODE=J.JOB_CODE
order by p.PROJ_VALUE
```

Below the query, the 'Results' tab is active, showing a table with 10 columns: `PROJ_NAME`, `PROJ_VALUE`, `PROJ_BALANCE`, `EMP_FNAME`, `EMP_LNAME`, `EMP_INITIAL`, `JOB_DESCRIPTION`, `JOB_CHG_HOUR`, and `JOB_CODE`. The results are as follows:

	PROJ_NAME	PROJ_VALUE	PROJ_BALANCE	EMP_FNAME	EMP_LNAME	EMP_INITIAL	JOB_DESCRIPTION	JOB_CHG_HOUR	JOB_CODE
1	Rolling Tide	805000.00	500345.20	David	Senior	H	Systems Analyst	96.75	501
2	Evergreen	1453500.00	1002350.00	June	Arbough	E	Electrical Engineer	84.50	503
3	Starflight	2650500.00	2309880.00	Maria	Alonzo	D	Programmer	35.75	500
4	Amber Wave	3500500.00	2110346.00	Ralph	Washington	B	Systems Analyst	96.75	501

3)

<pre> select P.[PROJ_NAME], P.[PROJ_VALUE], P.[PROJ_BALANCE], E.[EMP_FNAME], E.[EMP_LNAME], E.[EMP_INITIAL], J.[JOB_DESCRIPTION], J.[JOB_CHG_HOUR], E.[JOB_CODE] from [dbo].[CH07_ConstructCo_EMPLOYEE]E join [dbo].[CH07_ConstructCo_PROJECT]P on E.EMP_NUM=P.EMP_NUM join [dbo].[CH07_ConstructCo_JOB]J on E.JOB_CODE=J.JOB_CODE order by e.EMP_LNAME </pre>									
<div>10 %</div> <div>Results Messages</div>									
	PROJ_NAME	PROJ_VALUE	PROJ_BALANCE	EMP_FNAME	EMP_LNAME	EMP_INITIAL	JOB_DESCRIPTION	JOB_CHG_HOUR	JOB_CODE
1	Starflight	2650500.00	2309880.00	Maria	Alonzo	D	Programmer	35.75	500
2	Evergreen	1453500.00	1002350.00	June	Arbough	E	Electrical Engineer	84.50	503
3	Rolling Tide	805000.00	500345.20	David	Senior	H	Systems Analyst	96.75	501
4	Amber Wave	3500500.00	2110346.00	Ralph	Washington	B	Systems Analyst	96.75	501

4)

SQLQuery1.sql - s...ADM\vpk03940 (51))*

```
select distinct [PROJ_NUM]
from
[dbo].[CH07_ConstructCo_ASSIGNMENT]
order by
[PROJ_NUM]
```

100 %



Results



Messages

	PROJ_NUM
1	15
2	18
3	22
4	25

Execute

SQLQuery1.sql - s...ADM\vpk03940 (51))*

select

[ASSIGN_NUM],

[EMP_NUM],

[PROJ_NUM],

[ASSIGN_CHARGE],

[ASSIGN_CHG_HR] * [ASSIGN_HOURS] as calculated_assignment_charge

from

[dbo].[CH07_ConstructCo_ASSIGNMENT]

order by

[ASSIGN_NUM]

100 %

Results

Messages

	ASSIGN_NUM	EMP_NUM	PROJ_NUM	ASSIGN_CHARGE	calculated_assignment_charge
1	1001	103	18	295.75	295.7500
2	1002	117	22	145.11	145.1100
3	1003	117	18	69.10	69.1000
4	1004	103	18	498.55	498.5500
5	1005	108	25	212.85	212.8500
6	1006	104	22	406.35	406.3500
7	1007	113	25	192.85	192.8500
8	1008	103	18	76.05	76.0500
9	1009	115	15	541.80	541.8000
10	1010	117	15	82.92	82.9200
11	1011	105	25	451.50	451.5000
12	1012	108	18	328.95	328.9500
13	1013	115	25	193.50	193.5000
14	1014	104	22	270.90	270.9000
15	1015	103	15	515.45	515.4500
16	1016	105	22	493.50	493.5000

Query executed successfully.

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