Benjamin Nye

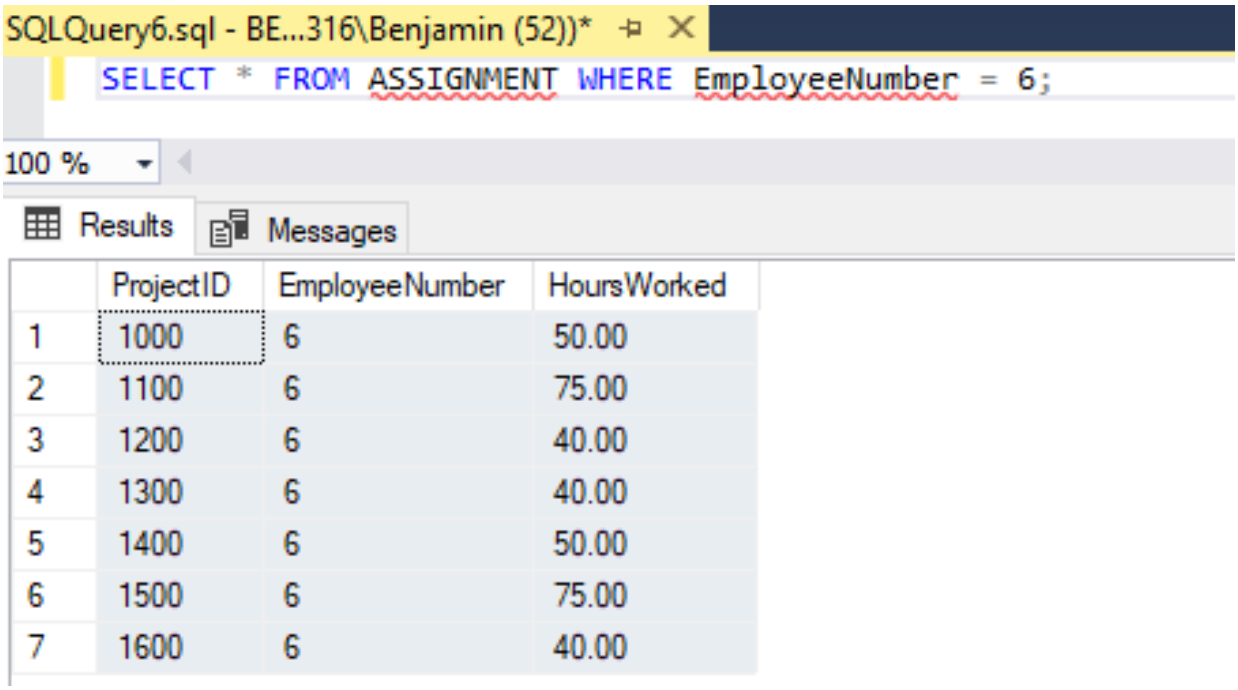
CS4332

Dr. C. J. Hwang

1 Oct. 2021

Project 4

1. Selecting all the Assignment information from the ASSIGNMENT table where the Employee Number on the Assignment is equal to 6.



	ProjectID	EmployeeNumber	HoursWorked
1	1000	6	50.00
2	1100	6	75.00
3	1200	6	40.00
4	1300	6	40.00
5	1400	6	50.00
6	1500	6	75.00
7	1600	6	40.00

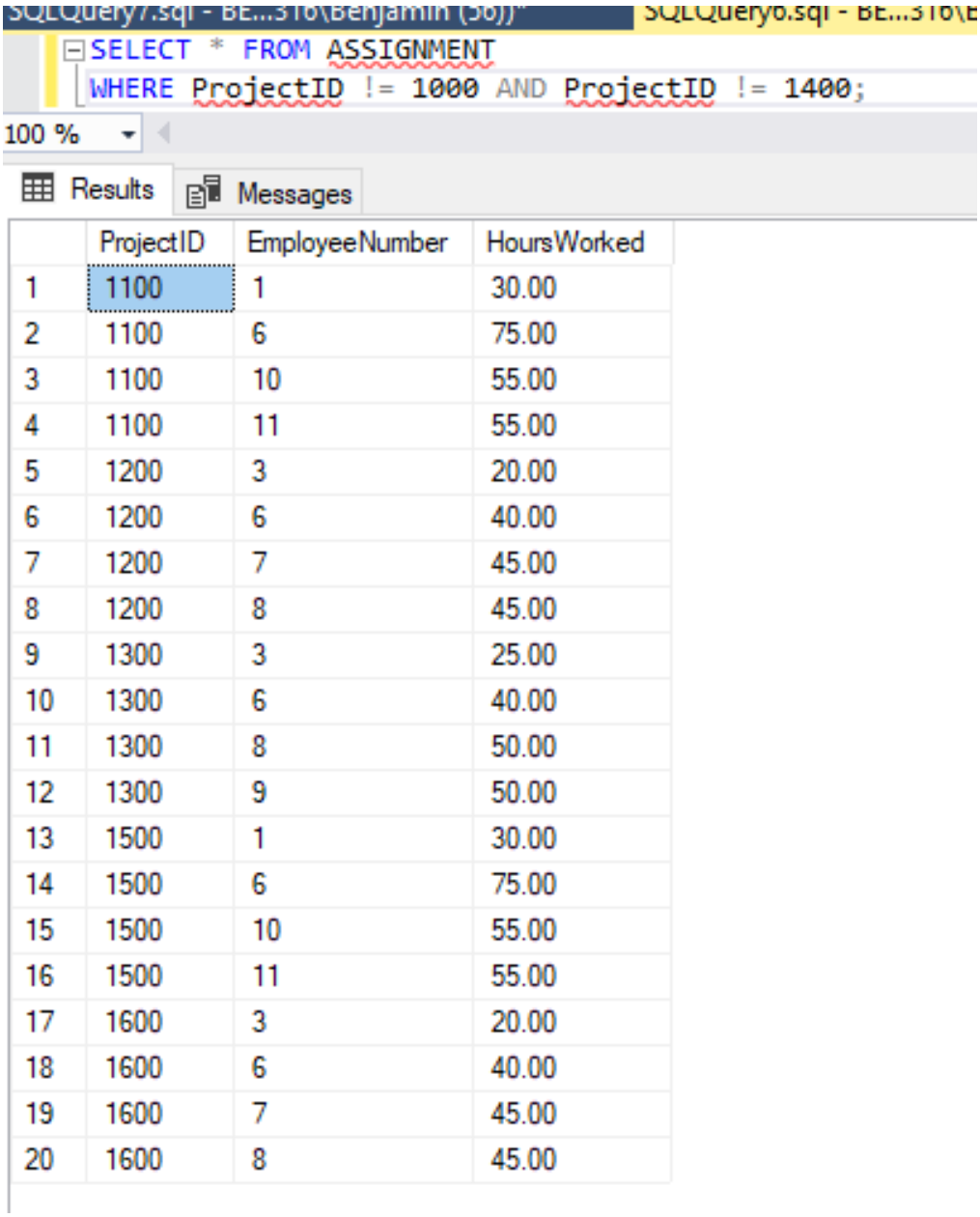
Benjamin Nye

CS4332

Dr. C. J. Hwang

1 Oct. 2021

2. Selecting all the Assignments from the ASSIGNMENT table where the Project ID was NOT equal to 1000 or 1400.



	ProjectID	EmployeeNumber	HoursWorked
1	1100	1	30.00
2	1100	6	75.00
3	1100	10	55.00
4	1100	11	55.00
5	1200	3	20.00
6	1200	6	40.00
7	1200	7	45.00
8	1200	8	45.00
9	1300	3	25.00
10	1300	6	40.00
11	1300	8	50.00
12	1300	9	50.00
13	1500	1	30.00
14	1500	6	75.00
15	1500	10	55.00
16	1500	11	55.00
17	1600	3	20.00
18	1600	6	40.00
19	1600	7	45.00
20	1600	8	45.00

Benjamin Nye

CS4332

Dr. C. J. Hwang

1 Oct. 2021

3. Selecting all the Assignments from the ASSIGNMENT table and sorting the results by the Employee Number.

```
SELECT * FROM ASSIGNMENT ORDER BY EmployeeNumber;
```

100 %

Results | Messages

	ProjectID	EmployeeNumber	HoursWorked
1	1000	1	30.00
2	1100	1	30.00
3	1400	1	30.00
4	1500	1	30.00
5	1600	3	20.00
6	1200	3	20.00
7	1300	3	25.00
8	1300	6	40.00
9	1200	6	40.00
10	1100	6	75.00
11	1000	6	50.00
12	1600	6	40.00
13	1500	6	75.00
14	1400	6	50.00
15	1600	7	45.00
16	1200	7	45.00
17	1200	8	45.00
18	1300	8	50.00
19	1600	8	45.00
20	1300	9	50.00
21	1000	10	50.00
22	1100	10	55.00
23	1400	10	50.00
24	1500	10	55.00
25	1500	11	55.00
26	1100	11	55.00
27	1000	16	75.00
28	1400	16	75.00
29	1400	17	75.00
30	1000	17	75.00

Benjamin Nye

CS4332

Dr. C. J. Hwang

1 Oct. 2021

4. Selecting all the Assignments from the ASSIGNMENT table and sorting the results by Employee Number then Project ID.

```
SELECT * FROM ASSIGNMENT ORDER BY EmployeeNumber, ProjectID;
```

100 %

Results | Messages

	ProjectID	EmployeeNumber	HoursWorked
1	1000	1	30.00
2	1100	1	30.00
3	1400	1	30.00
4	1500	1	30.00
5	1200	3	20.00
6	1300	3	25.00
7	1600	3	20.00
8	1000	6	50.00
9	1100	6	75.00
10	1200	6	40.00
11	1300	6	40.00
12	1400	6	50.00
13	1500	6	75.00
14	1600	6	40.00
15	1200	7	45.00
16	1600	7	45.00
17	1200	8	45.00
18	1300	8	50.00
19	1600	8	45.00
20	1300	9	50.00
21	1000	10	50.00
22	1100	10	55.00
23	1400	10	50.00
24	1500	10	55.00
25	1100	11	55.00
26	1500	11	55.00
27	1000	16	75.00
28	1400	16	75.00
29	1000	17	75.00
30	1400	17	75.00

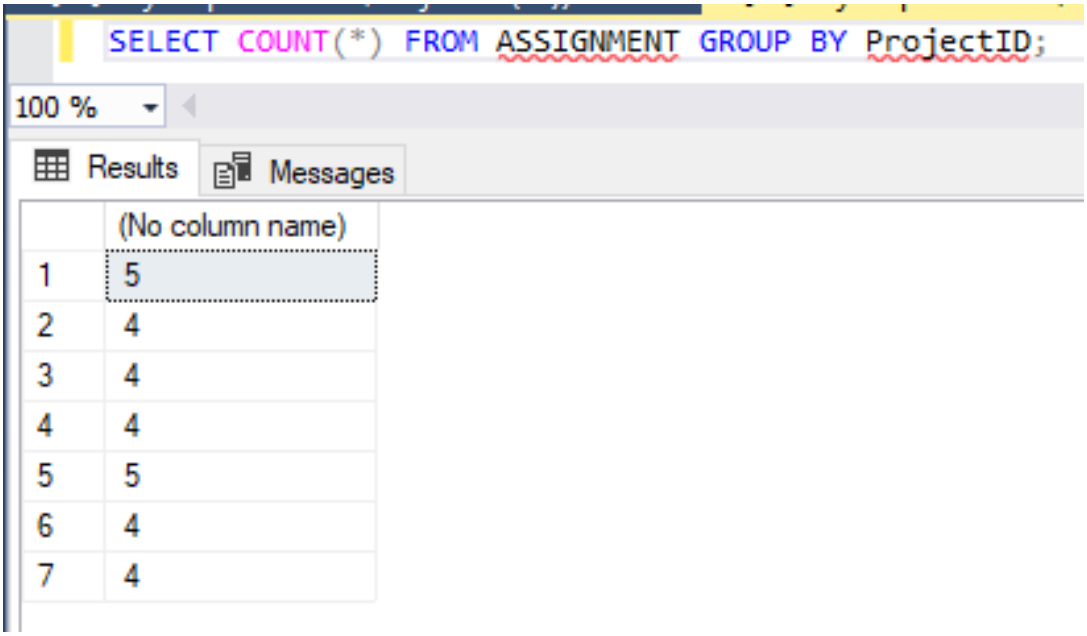
Benjamin Nye

CS4332

Dr. C. J. Hwang

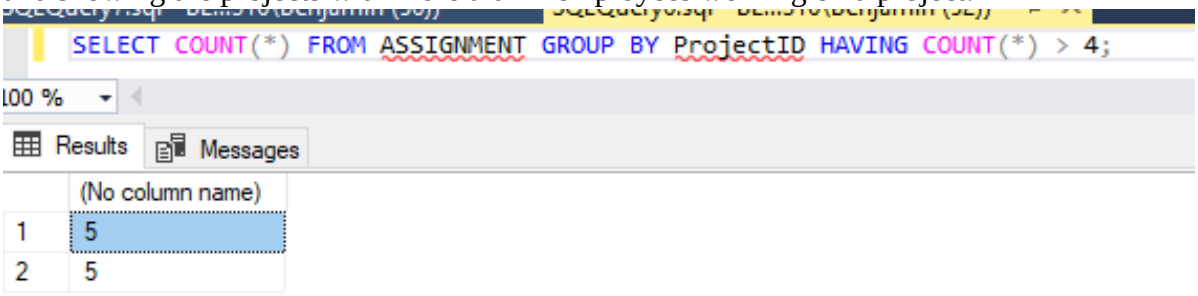
1 Oct. 2021

5. Selecting the count of different employees working on a project in the ASSIGNMENT table.



	(No column name)
1	5
2	4
3	4
4	4
5	5
6	4
7	4

6. Selecting the count of different employees working on a project in the ASSIGNMENT table and showing the projects with more than 4 employees working on a project.



	(No column name)
1	5
2	5

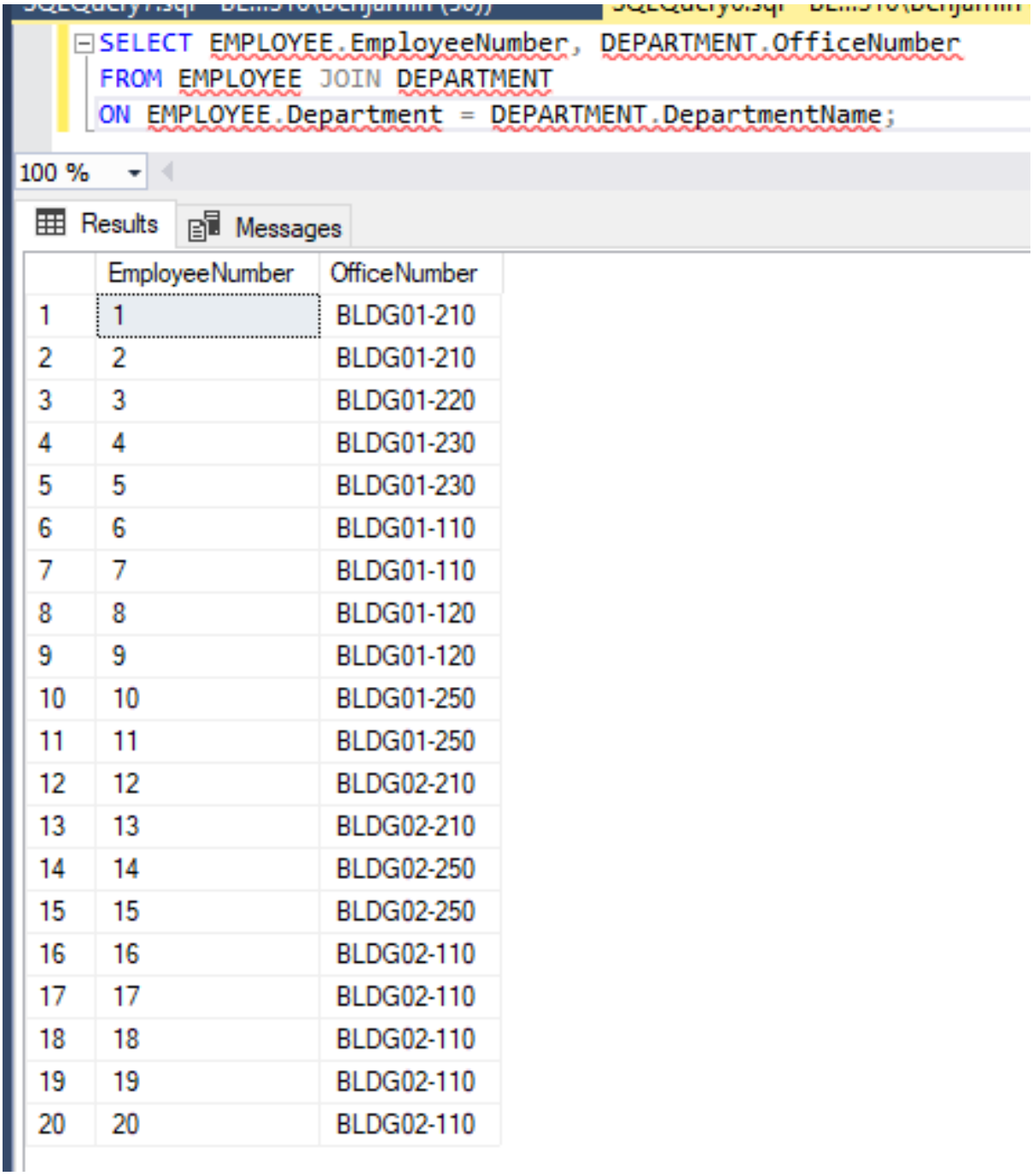
Benjamin Nye

CS4332

Dr. C. J. Hwang

1 Oct. 2021

7. Selecting the Employee Number from the EMPLOYEE table and the employee's coresponding Office Number from the DEPARTMENT table based on their Department Name and outputing it in one table.



```
SELECT EMPLOYEE.EmployeeNumber, DEPARTMENT.OfficeNumber
FROM EMPLOYEE JOIN DEPARTMENT
ON EMPLOYEE.Department = DEPARTMENT.DepartmentName;
```

100 %

Results | Messages

	EmployeeNumber	OfficeNumber
1	1	BLDG01-210
2	2	BLDG01-210
3	3	BLDG01-220
4	4	BLDG01-230
5	5	BLDG01-230
6	6	BLDG01-110
7	7	BLDG01-110
8	8	BLDG01-120
9	9	BLDG01-120
10	10	BLDG01-250
11	11	BLDG01-250
12	12	BLDG02-210
13	13	BLDG02-210
14	14	BLDG02-250
15	15	BLDG02-250
16	16	BLDG02-110
17	17	BLDG02-110
18	18	BLDG02-110
19	19	BLDG02-110
20	20	BLDG02-110

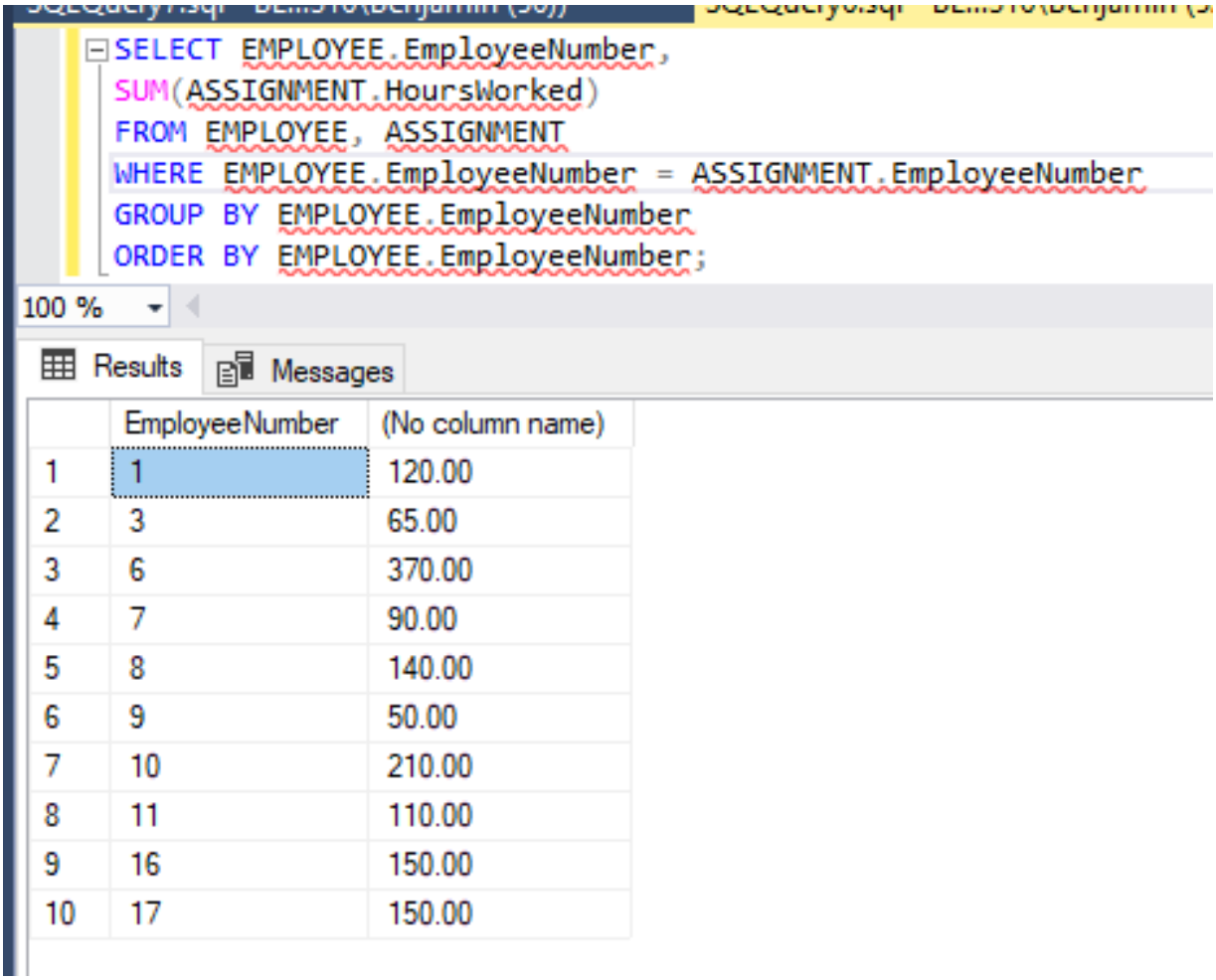
Benjamin Nye

CS4332

Dr. C. J. Hwang

1 Oct. 2021

8. Selecting the Employee Number from the EMPLOYEE table and the sum of the hours worked in the ASSIGNMENT table grouped by Employee Number then displayed sorted by Employee Number.



```
SELECT EMPLOYEE.EmployeeNumber,
SUM(ASSIGNMENT.HoursWorked)
FROM EMPLOYEE, ASSIGNMENT
WHERE EMPLOYEE.EmployeeNumber = ASSIGNMENT.EmployeeNumber
GROUP BY EMPLOYEE.EmployeeNumber
ORDER BY EMPLOYEE.EmployeeNumber;
```

100 %

Results | Messages

	EmployeeNumber	(No column name)
1	1	120.00
2	3	65.00
3	6	370.00
4	7	90.00
5	8	140.00
6	9	50.00
7	10	210.00
8	11	110.00
9	16	150.00
10	17	150.00

Benjamin Nye

CS4332

Dr. C. J. Hwang

1 Oct. 2021

E/R Model: