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Subject: SQL Queries for Generating Schedules

Date: October 19, 2017

Code Used for Queries

This following code block shows the SQL queries used to generate the data.

```
/**
  Query 1: Single employee's schedule for 6 week period
 */
USE cmpsc431;
SELECT
  DATE_ADD(week.start_date, INTERVAL shift.day_ID - 1 DAY) AS 'shiftDate',
  weekday.day_name                                          AS 'day',
  shift_time.shift_start                                    AS 'start',
  shift_time.shift_end                                      AS 'end',
  department.dept_name                                      AS 'department',
  role.role                                                 AS 'role'
FROM shift, week, weekday, shift_time, department, role, certification, employee
WHERE shift.day_ID = weekday.day_ID
      AND shift.time_ID = shift_time.time_ID
      AND shift.dept_ID = department.dept_ID
      AND shift.week_ID = week.week_ID
      AND shift.emp_ID = employee.emp_ID
      AND employee.emp_ID = certification.emp_ID
      AND certification.role_ID = role.role_ID
      AND week.week_ID >= 1
      AND week.week_ID <= 6;

/**
  Query 2: Department's Needs for 1 week
 */
USE cmpsc431;
SELECT
  DATE_ADD(week.start_date, INTERVAL department_need.day_ID - 1 DAY) AS 'shiftDate',
  weekday.day_name                                          AS 'day',
  shift_time.shift_start                                    AS 'start',
  shift_time.shift_end                                      AS 'end',
  department.dept_name                                      AS 'department',
  role.role                                                 AS 'role',
  department_need.need                                      AS 'needs'
FROM department_need, week, weekday, shift_time, department, role
WHERE department_need.week_ID = 1
      AND department_need.week_ID = week.week_ID
      AND department_need.day_ID = weekday.day_ID
      AND department_need.time_ID = shift_time.time_ID
      AND department_need.dept_ID = department.dept_ID
      AND department_need.role_ID = role.role_ID;

/**
  Query 3: Department Weekly Schedules
 */
USE cmpsc431;
SELECT
  department.dept_name                                      AS 'department',
```

```sql
  employee.fname                                             AS 'firstName',
  employee.lname                                             AS 'lastName',
  employee.phone1                                            AS 'phoneNumber',
  DATE_ADD(week.start_date, INTERVAL shift.day_ID − 1 DAY) AS 'shiftDate',
  weekday.day_name                                           AS 'day',
  shift_time.shift_start                                     AS 'start',
  shift_time.shift_end                                       AS 'end'
FROM department, week, employee, shift, shift_time, weekday
WHERE week.week_ID = 1
      AND shift.emp_ID = employee.emp_ID
      AND shift.dept_ID = department.dept_ID
      AND shift.time_ID = shift_time.time_ID
      AND shift.week_ID = week.week_ID
      AND shift.day_ID = weekday.day_ID
ORDER BY department, lastName, firstName;


/**
  Query 4: Employee Weekly Cost
 */
USE cmpsc431;
SELECT
  department.dept_name                                               AS 'department',
  employee.fname                                                     AS 'firstName',
  employee.lname                                                     AS 'lastName',
  DATE_ADD(week.start_date, INTERVAL shift.day_ID − 1 DAY)         AS 'shiftDate',
  shift_time.shift_start                                             AS 'start',
  shift_time.shift_end                                              AS 'end',
  employee.pay_rate * shift.pay_modifier * shift_time.shift_length AS 'pay',
  shift_status.status                                               AS 'status'
FROM department, employee, shift, shift_time, week, shift_status
WHERE DATE_ADD(week.start_date, INTERVAL shift.day_ID − 1 DAY) >= '2017−10−01'
      AND DATE_ADD(week.start_date, INTERVAL shift.day_ID − 1 DAY) <= '2017−10−10'
      AND shift.emp_ID = employee.emp_ID
      AND shift.dept_ID = department.dept_ID
      AND shift.time_ID = shift_time.time_ID
      AND shift.week_ID = week.week_ID
      AND shift.status_ID = shift_status.status_ID
ORDER BY shiftDate, department, lastName, firstName;


/**
  Query 5: List of tables and their descriptions
 */
USE cmpsc431;
SHOW tables;
DESCRIBE address;
DESCRIBE certification;
DESCRIBE department;
DESCRIBE department_need;
DESCRIBE employee;
DESCRIBE role;
DESCRIBE shift;
DESCRIBE shift_status;
DESCRIBE shift_time;
DESCRIBE week;
DESCRIBE weekday;


/**
  Query 6: All data
 */
USE cmpsc431;
SELECT * FROM address;
```

```
SELECT * FROM certification;
SELECT * FROM department;
SELECT * FROM department_need;
SELECT * FROM employee;
SELECT * FROM role;
SELECT * FROM shift;
SELECT * FROM shift_status;
SELECT * FROM shift_time;
SELECT * FROM week;
SELECT * FROM weekday;
```

Query Results

Query 1

shiftDate	day	start	end	department	role
2017-10-07	SAT	19:00:00	07:00:00	OR	NP
2017-10-02	MON	23:00:00	07:00:00	ICU	NP
2017-10-01	SUN	19:00:00	07:00:00	ICU	NP
2017-10-04	WED	15:00:00	23:00:00	ER	NP
2017-10-03	TUE	15:00:00	23:00:00	MAT	NP
2017-10-14	SAT	19:00:00	07:00:00	ER	NP
2017-10-08	SUN	07:00:00	19:00:00	MAT	NP
2017-10-10	TUE	07:00:00	15:00:00	ICU	NP
2017-10-11	WED	23:00:00	07:00:00	QUARR	NP
2017-10-12	THU	15:00:00	23:00:00	OR	NP
2017-10-16	MON	15:00:00	23:00:00	PSYCH	NP
2017-10-15	SUN	07:00:00	19:00:00	ICU	NP
2017-10-18	WED	15:00:00	23:00:00	OR	NP
2017-10-17	TUE	07:00:00	15:00:00	OR	NP
2017-10-20	FRI	23:00:00	07:00:00	MAT	NP
2017-10-22	SUN	07:00:00	19:00:00	PSYCH	NP
2017-10-23	MON	23:00:00	07:00:00	PSYCH	NP
2017-10-27	FRI	15:00:00	23:00:00	ER	NP
2017-10-28	SAT	19:00:00	07:00:00	OR	NP
2017-10-26	THU	07:00:00	15:00:00	QUARR	NP
2017-11-03	FRI	15:00:00	23:00:00	PSYCH	NP
2017-11-02	THU	07:00:00	15:00:00	QUARR	NP
2017-11-04	SAT	19:00:00	07:00:00	MAT	NP
2017-10-29	SUN	19:00:00	07:00:00	OR	NP
2017-10-30	MON	15:00:00	23:00:00	QUARR	NP
2017-11-11	SAT	07:00:00	19:00:00	QUARR	NP
2017-11-07	TUE	15:00:00	23:00:00	QUARR	NP
2017-11-09	THU	23:00:00	07:00:00	MAT	NP
2017-11-10	FRI	07:00:00	15:00:00	ICU	NP
2017-11-08	WED	15:00:00	23:00:00	PSYCH	NP
2017-10-07	SAT	19:00:00	07:00:00	ICU	LPN
2017-10-06	FRI	15:00:00	23:00:00	QUARR	LPN
2017-10-05	THU	23:00:00	07:00:00	OR	LPN
2017-10-04	WED	15:00:00	23:00:00	MAT	LPN
2017-10-01	SUN	07:00:00	19:00:00	ICU	LPN
2017-10-10	TUE	23:00:00	07:00:00	ER	LPN
2017-10-09	MON	15:00:00	23:00:00	PSYCH	LPN
2017-10-11	WED	15:00:00	23:00:00	ER	LPN
2017-10-08	SUN	19:00:00	07:00:00	ER	LPN
2017-10-13	FRI	23:00:00	07:00:00	PSYCH	LPN
2017-10-17	TUE	23:00:00	07:00:00	PSYCH	LPN
2017-10-18	WED	23:00:00	07:00:00	PSYCH	LPN

2017−10−20	FRI	07:00:00	15:00:00	ER	LPN
2017−10−19	THU	23:00:00	07:00:00	QUARR	LPN
2017−10−16	MON	07:00:00	15:00:00	OR	LPN
2017−10−23	MON	23:00:00	07:00:00	QUARR	LPN
2017−10−22	SUN	07:00:00	19:00:00	OR	LPN
2017−10−28	SAT	19:00:00	07:00:00	ICU	LPN
2017−10−27	FRI	23:00:00	07:00:00	ER	LPN
2017−10−26	THU	07:00:00	15:00:00	OR	LPN
2017−11−01	WED	07:00:00	15:00:00	PSYCH	LPN
2017−10−30	MON	23:00:00	07:00:00	OR	LPN
2017−11−03	FRI	23:00:00	07:00:00	ER	LPN
2017−10−29	SUN	19:00:00	07:00:00	OR	LPN
2017−11−02	THU	15:00:00	23:00:00	PSYCH	LPN
2017−11−06	MON	07:00:00	15:00:00	ER	LPN
2017−11−09	THU	07:00:00	15:00:00	ER	LPN
2017−11−05	SUN	07:00:00	19:00:00	OR	LPN
2017−11−08	WED	07:00:00	15:00:00	PSYCH	LPN
2017−11−11	SAT	19:00:00	07:00:00	ICU	LPN
2017−10−05	THU	23:00:00	07:00:00	OR	NA
2017−10−04	WED	23:00:00	07:00:00	PSYCH	NA
2017−10−06	FRI	15:00:00	23:00:00	QUARR	NA
2017−10−01	SUN	07:00:00	19:00:00	ICU	NA
2017−10−07	SAT	07:00:00	19:00:00	QUARR	NA
2017−10−12	THU	07:00:00	15:00:00	MAT	NA
2017−10−13	FRI	23:00:00	07:00:00	OR	NA
2017−10−10	TUE	23:00:00	07:00:00	MAT	NA
2017−10−11	WED	07:00:00	15:00:00	MAT	NA
2017−10−09	MON	15:00:00	23:00:00	QUARR	NA
2017−10−17	TUE	23:00:00	07:00:00	OR	NA
2017−10−19	THU	15:00:00	23:00:00	PSYCH	NA
2017−10−16	MON	15:00:00	23:00:00	MAT	NA
2017−10−21	SAT	07:00:00	19:00:00	MAT	NA
2017−10−20	FRI	15:00:00	23:00:00	OR	NA
2017−10−22	SUN	19:00:00	07:00:00	OR	NA
2017−10−24	TUE	07:00:00	15:00:00	ER	NA
2017−10−28	SAT	19:00:00	07:00:00	OR	NA
2017−10−25	WED	23:00:00	07:00:00	ICU	NA
2017−10−26	THU	07:00:00	15:00:00	QUARR	NA
2017−10−29	SUN	19:00:00	07:00:00	ICU	NA
2017−11−04	SAT	07:00:00	19:00:00	PSYCH	NA
2017−10−31	TUE	15:00:00	23:00:00	OR	NA
2017−11−02	THU	07:00:00	15:00:00	QUARR	NA
2017−11−03	FRI	15:00:00	23:00:00	QUARR	NA
2017−11−07	TUE	23:00:00	07:00:00	PSYCH	NA
2017−11−05	SUN	07:00:00	19:00:00	PSYCH	NA
2017−11−08	WED	07:00:00	15:00:00	PSYCH	NA
2017−11−09	THU	23:00:00	07:00:00	PSYCH	NA
2017−11−10	FRI	07:00:00	15:00:00	ICU	NA
2017−10−06	FRI	15:00:00	23:00:00	OR	RN
2017−10−04	WED	07:00:00	15:00:00	PSYCH	RN
2017−10−03	TUE	07:00:00	15:00:00	ICU	RN
2017−10−02	MON	23:00:00	07:00:00	PSYCH	RN
2017−10−05	THU	07:00:00	15:00:00	ER	RN
2017−10−14	SAT	19:00:00	07:00:00	ICU	RN
2017−10−10	TUE	23:00:00	07:00:00	MAT	RN
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2017−10−18	WED	07:00:00	15:00:00	MAT	RN
2017−10−21	SAT	07:00:00	19:00:00	QUARR	RN
2017−10−15	SUN	19:00:00	07:00:00	PSYCH	RN
2017−10−20	FRI	23:00:00	07:00:00	MAT	RN

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2017−10−28	SAT	07:00:00	19:00:00	OR	RN
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2017−11−08	WED	15:00:00	23:00:00	OR	RN
2017−11−09	THU	23:00:00	07:00:00	OR	RN
2017−11−06	MON	23:00:00	07:00:00	MAT	RN
2017−10−01	SUN	07:00:00	19:00:00	PSYCH	CNS
2017−10−05	THU	15:00:00	23:00:00	QUARR	CNS
2017−10−07	SAT	19:00:00	07:00:00	PSYCH	CNS
2017−10−04	WED	15:00:00	23:00:00	OR	CNS
2017−10−02	MON	15:00:00	23:00:00	QUARR	CNS
2017−10−09	MON	23:00:00	07:00:00	QUARR	CNS
2017−10−11	WED	23:00:00	07:00:00	ICU	CNS
2017−10−14	SAT	19:00:00	07:00:00	MAT	CNS
2017−10−10	TUE	15:00:00	23:00:00	QUARR	CNS
2017−10−12	THU	15:00:00	23:00:00	ER	CNS
2017−10−20	FRI	23:00:00	07:00:00	OR	CNS
2017−10−16	MON	23:00:00	07:00:00	QUARR	CNS
2017−10−18	WED	15:00:00	23:00:00	OR	CNS
2017−10−15	SUN	07:00:00	19:00:00	OR	CNS
2017−10−21	SAT	19:00:00	07:00:00	QUARR	CNS
2017−10−22	SUN	07:00:00	19:00:00	ER	CNS

2017−10−27	FRI	07:00:00	15:00:00	ER	CNS
2017−10−28	SAT	19:00:00	07:00:00	ICU	CNS
2017−10−25	WED	15:00:00	23:00:00	QUARR	CNS
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2017−11−07	TUE	07:00:00	15:00:00	OR	CNS
2017−11−05	SUN	07:00:00	19:00:00	QUARR	CNS
2017−10−01	SUN	07:00:00	19:00:00	MAT	NA
2017−10−06	FRI	23:00:00	07:00:00	PSYCH	NA
2017−10−05	THU	07:00:00	15:00:00	QUARR	NA
2017−10−04	WED	23:00:00	07:00:00	ER	NA
2017−10−07	SAT	19:00:00	07:00:00	MAT	NA
2017−10−10	TUE	15:00:00	23:00:00	QUARR	NA
2017−10−08	SUN	19:00:00	07:00:00	MAT	NA
2017−10−14	SAT	07:00:00	19:00:00	QUARR	NA
2017−10−13	FRI	23:00:00	07:00:00	ICU	NA
2017−10−11	WED	15:00:00	23:00:00	ICU	NA
2017−10−19	THU	15:00:00	23:00:00	ER	NA
2017−10−17	TUE	07:00:00	15:00:00	OR	NA
2017−10−18	WED	07:00:00	15:00:00	ER	NA
2017−10−21	SAT	07:00:00	19:00:00	MAT	NA
2017−10−20	FRI	15:00:00	23:00:00	OR	NA
2017−10−23	MON	23:00:00	07:00:00	ICU	NA
2017−10−22	SUN	19:00:00	07:00:00	PSYCH	NA
2017−10−25	WED	23:00:00	07:00:00	MAT	NA
2017−10−24	TUE	23:00:00	07:00:00	QUARR	NA
2017−10−26	THU	07:00:00	15:00:00	ICU	NA
2017−10−31	TUE	15:00:00	23:00:00	QUARR	NA
2017−10−29	SUN	19:00:00	07:00:00	OR	NA
2017−11−02	THU	07:00:00	15:00:00	OR	NA
2017−11−04	SAT	07:00:00	19:00:00	ICU	NA
2017−10−30	MON	15:00:00	23:00:00	ER	NA
2017−11−08	WED	07:00:00	15:00:00	ER	NA
2017−11−09	THU	07:00:00	15:00:00	PSYCH	NA
2017−11−11	SAT	19:00:00	07:00:00	QUARR	NA
2017−11−06	MON	15:00:00	23:00:00	ICU	NA
2017−11−10	FRI	07:00:00	15:00:00	PSYCH	NA
2017−10−06	FRI	15:00:00	23:00:00	ICU	RN
2017−10−07	SAT	19:00:00	07:00:00	PSYCH	RN
2017−10−05	THU	15:00:00	23:00:00	ICU	RN
2017−10−01	SUN	07:00:00	19:00:00	QUARR	RN
2017−10−02	MON	23:00:00	07:00:00	ICU	RN
2017−10−12	THU	15:00:00	23:00:00	ICU	RN
2017−10−09	MON	07:00:00	15:00:00	ER	RN
2017−10−10	TUE	07:00:00	15:00:00	ER	RN
2017−10−13	FRI	07:00:00	15:00:00	PSYCH	RN
2017−10−11	WED	23:00:00	07:00:00	MAT	RN
2017−10−17	TUE	23:00:00	07:00:00	OR	RN
2017−10−21	SAT	19:00:00	07:00:00	ICU	RN
2017−10−19	THU	07:00:00	15:00:00	PSYCH	RN
2017−10−18	WED	23:00:00	07:00:00	QUARR	RN
2017−10−15	SUN	19:00:00	07:00:00	QUARR	RN
2017−10−25	WED	07:00:00	15:00:00	QUARR	RN
2017−10−28	SAT	19:00:00	07:00:00	QUARR	RN
2017−10−23	MON	15:00:00	23:00:00	ICU	RN

2017−10−22	SUN	07:00:00	19:00:00	ICU	RN
2017−10−24	TUE	23:00:00	07:00:00	ER	RN
2017−11−01	WED	15:00:00	23:00:00	OR	RN
2017−10−30	MON	23:00:00	07:00:00	ICU	RN
2017−10−31	TUE	15:00:00	23:00:00	PSYCH	RN
2017−10−29	SUN	19:00:00	07:00:00	QUARR	RN
2017−11−04	SAT	07:00:00	19:00:00	OR	RN
2017−11−05	SUN	19:00:00	07:00:00	ER	RN
2017−11−09	THU	23:00:00	07:00:00	QUARR	RN
2017−11−06	MON	15:00:00	23:00:00	OR	RN
2017−11−08	WED	07:00:00	15:00:00	ICU	RN
2017−11−11	SAT	19:00:00	07:00:00	ICU	RN
2017−10−05	THU	07:00:00	15:00:00	QUARR	NA
2017−10−04	WED	23:00:00	07:00:00	QUARR	NA
2017−10−03	TUE	07:00:00	15:00:00	PSYCH	NA
2017−10−06	FRI	07:00:00	15:00:00	OR	NA
2017−10−02	MON	23:00:00	07:00:00	MAT	NA
2017−10−11	WED	07:00:00	15:00:00	ICU	NA
2017−10−13	FRI	23:00:00	07:00:00	QUARR	NA
2017−10−14	SAT	19:00:00	07:00:00	ICU	NA
2017−10−08	SUN	19:00:00	07:00:00	PSYCH	NA
2017−10−12	THU	23:00:00	07:00:00	OR	NA
2017−10−20	FRI	07:00:00	15:00:00	PSYCH	NA
2017−10−15	SUN	19:00:00	07:00:00	MAT	NA
2017−10−19	THU	23:00:00	07:00:00	OR	NA
2017−10−17	TUE	23:00:00	07:00:00	QUARR	NA
2017−10−21	SAT	07:00:00	19:00:00	ER	NA
2017−10−22	SUN	19:00:00	07:00:00	PSYCH	NA
2017−10−26	THU	23:00:00	07:00:00	QUARR	NA
2017−10−24	TUE	15:00:00	23:00:00	OR	NA
2017−10−23	MON	15:00:00	23:00:00	QUARR	NA
2017−10−25	WED	23:00:00	07:00:00	MAT	NA
2017−11−02	THU	07:00:00	15:00:00	ICU	NA
2017−11−01	WED	07:00:00	15:00:00	OR	NA
2017−11−04	SAT	19:00:00	07:00:00	OR	NA
2017−10−29	SUN	07:00:00	19:00:00	ICU	NA
2017−11−03	FRI	07:00:00	15:00:00	MAT	NA
2017−11−07	TUE	07:00:00	15:00:00	PSYCH	NA
2017−11−11	SAT	07:00:00	19:00:00	MAT	NA
2017−11−10	FRI	15:00:00	23:00:00	QUARR	NA
2017−11−06	MON	15:00:00	23:00:00	ICU	NA
2017−11−05	SUN	07:00:00	19:00:00	PSYCH	NA
2017−10−01	SUN	19:00:00	07:00:00	ER	LPN
2017−10−03	TUE	07:00:00	15:00:00	ICU	LPN
2017−10−06	FRI	07:00:00	15:00:00	OR	LPN
2017−10−05	THU	15:00:00	23:00:00	ICU	LPN
2017−10−04	WED	23:00:00	07:00:00	PSYCH	LPN
2017−10−11	WED	15:00:00	23:00:00	ER	LPN
2017−10−10	TUE	15:00:00	23:00:00	OR	LPN
2017−10−09	MON	15:00:00	23:00:00	MAT	LPN
2017−10−14	SAT	07:00:00	19:00:00	ICU	LPN
2017−10−13	FRI	07:00:00	15:00:00	MAT	LPN
2017−10−20	FRI	23:00:00	07:00:00	QUARR	LPN
2017−10−18	WED	23:00:00	07:00:00	MAT	LPN
2017−10−21	SAT	07:00:00	19:00:00	OR	LPN
2017−10−15	SUN	19:00:00	07:00:00	PSYCH	LPN
2017−10−19	THU	23:00:00	07:00:00	MAT	LPN
2017−10−24	TUE	23:00:00	07:00:00	QUARR	LPN
2017−10−22	SUN	19:00:00	07:00:00	MAT	LPN
2017−10−27	FRI	07:00:00	15:00:00	OR	LPN
2017−10−23	MON	07:00:00	15:00:00	ER	LPN
2017−10−26	THU	07:00:00	15:00:00	ER	LPN

2017−11−04	SAT	19:00:00	07:00:00	ER	LPN
2017−11−02	THU	15:00:00	23:00:00	QUARR	LPN
2017−10−31	TUE	23:00:00	07:00:00	QUARR	LPN
2017−11−03	FRI	07:00:00	15:00:00	PSYCH	LPN
2017−10−30	MON	07:00:00	15:00:00	PSYCH	LPN
2017−11−11	SAT	19:00:00	07:00:00	QUARR	LPN
2017−11−07	TUE	07:00:00	15:00:00	ER	LPN
2017−11−05	SUN	19:00:00	07:00:00	ICU	LPN
2017−11−06	MON	07:00:00	15:00:00	QUARR	LPN
2017−11−08	WED	23:00:00	07:00:00	QUARR	LPN
2017−10−03	TUE	15:00:00	23:00:00	ICU	CNS
2017−10−05	THU	15:00:00	23:00:00	ER	CNS
2017−10−04	WED	07:00:00	15:00:00	ER	CNS
2017−10−07	SAT	19:00:00	07:00:00	PSYCH	CNS
2017−10−06	FRI	23:00:00	07:00:00	QUARR	CNS
2017−10−10	TUE	07:00:00	15:00:00	QUARR	CNS
2017−10−14	SAT	19:00:00	07:00:00	ICU	CNS
2017−10−09	MON	07:00:00	15:00:00	OR	CNS
2017−10−08	SUN	19:00:00	07:00:00	MAT	CNS
2017−10−13	FRI	23:00:00	07:00:00	MAT	CNS
2017−10−17	TUE	07:00:00	15:00:00	QUARR	CNS
2017−10−18	WED	23:00:00	07:00:00	QUARR	CNS
2017−10−16	MON	15:00:00	23:00:00	PSYCH	CNS
2017−10−21	SAT	19:00:00	07:00:00	ER	CNS
2017−10−20	FRI	23:00:00	07:00:00	PSYCH	CNS
2017−10−26	THU	07:00:00	15:00:00	OR	CNS
2017−10−22	SUN	19:00:00	07:00:00	ER	CNS
2017−10−28	SAT	19:00:00	07:00:00	OR	CNS
2017−10−25	WED	15:00:00	23:00:00	MAT	CNS
2017−10−27	FRI	23:00:00	07:00:00	PSYCH	CNS
2017−11−03	FRI	07:00:00	15:00:00	ICU	CNS
2017−10−29	SUN	19:00:00	07:00:00	ER	CNS
2017−10−31	TUE	07:00:00	15:00:00	ICU	CNS
2017−11−02	THU	23:00:00	07:00:00	QUARR	CNS
2017−10−30	MON	23:00:00	07:00:00	ER	CNS
2017−11−05	SUN	19:00:00	07:00:00	MAT	CNS
2017−11−08	WED	15:00:00	23:00:00	PSYCH	CNS
2017−11−09	THU	07:00:00	15:00:00	PSYCH	CNS
2017−11−06	MON	23:00:00	07:00:00	ER	CNS
2017−11−11	SAT	19:00:00	07:00:00	ER	CNS
2017−10−03	TUE	23:00:00	07:00:00	OR	NP
2017−10−02	MON	23:00:00	07:00:00	PSYCH	NP
2017−10−05	THU	23:00:00	07:00:00	MAT	NP
2017−10−01	SUN	07:00:00	19:00:00	PSYCH	NP
2017−10−04	WED	15:00:00	23:00:00	ICU	NP
2017−10−12	THU	23:00:00	07:00:00	QUARR	NP
2017−10−10	TUE	15:00:00	23:00:00	PSYCH	NP
2017−10−13	FRI	15:00:00	23:00:00	QUARR	NP
2017−10−11	WED	07:00:00	15:00:00	ICU	NP
2017−10−14	SAT	19:00:00	07:00:00	PSYCH	NP
2017−10−18	WED	15:00:00	23:00:00	OR	NP
2017−10−21	SAT	19:00:00	07:00:00	QUARR	NP
2017−10−16	MON	07:00:00	15:00:00	OR	NP
2017−10−17	TUE	15:00:00	23:00:00	ER	NP
2017−10−15	SUN	19:00:00	07:00:00	PSYCH	NP
2017−10−25	WED	23:00:00	07:00:00	OR	NP
2017−10−23	MON	15:00:00	23:00:00	MAT	NP
2017−10−26	THU	07:00:00	15:00:00	ER	NP
2017−10−22	SUN	19:00:00	07:00:00	ER	NP
2017−10−28	SAT	19:00:00	07:00:00	MAT	NP
2017−11−04	SAT	19:00:00	07:00:00	ER	NP
2017−11−01	WED	15:00:00	23:00:00	ER	NP

2017-10-31	TUE	15:00:00	23:00:00	OR	NP
2017-11-02	THU	07:00:00	15:00:00	QUARR	NP
2017-10-29	SUN	19:00:00	07:00:00	ICU	NP
2017-11-06	MON	07:00:00	15:00:00	ICU	NP
2017-11-08	WED	07:00:00	15:00:00	ER	NP
2017-11-10	FRI	23:00:00	07:00:00	ER	NP
2017-11-11	SAT	19:00:00	07:00:00	PSYCH	NP
2017-11-07	TUE	23:00:00	07:00:00	OR	NP
2017-10-01	SUN	19:00:00	07:00:00	PSYCH	CNS
2017-10-06	FRI	07:00:00	15:00:00	PSYCH	CNS
2017-10-03	TUE	07:00:00	15:00:00	PSYCH	CNS
2017-10-05	THU	07:00:00	15:00:00	OR	CNS
2017-10-02	MON	23:00:00	07:00:00	PSYCH	CNS
2017-10-08	SUN	19:00:00	07:00:00	MAT	CNS
2017-10-12	THU	23:00:00	07:00:00	OR	CNS
2017-10-11	WED	23:00:00	07:00:00	ER	CNS
2017-10-10	TUE	23:00:00	07:00:00	ER	CNS
2017-10-09	MON	23:00:00	07:00:00	MAT	CNS
2017-10-18	WED	23:00:00	07:00:00	MAT	CNS
2017-10-17	TUE	15:00:00	23:00:00	OR	CNS
2017-10-19	THU	15:00:00	23:00:00	ICU	CNS
2017-10-21	SAT	07:00:00	19:00:00	OR	CNS
2017-10-20	FRI	15:00:00	23:00:00	QUARR	CNS
2017-10-22	SUN	07:00:00	19:00:00	QUARR	CNS
2017-10-26	THU	15:00:00	23:00:00	MAT	CNS
2017-10-27	FRI	07:00:00	15:00:00	PSYCH	CNS
2017-10-23	MON	07:00:00	15:00:00	MAT	CNS
2017-10-25	WED	23:00:00	07:00:00	ICU	CNS
2017-11-02	THU	07:00:00	15:00:00	PSYCH	CNS
2017-11-04	SAT	19:00:00	07:00:00	ICU	CNS
2017-10-31	TUE	15:00:00	23:00:00	PSYCH	CNS
2017-10-29	SUN	19:00:00	07:00:00	MAT	CNS
2017-10-30	MON	23:00:00	07:00:00	ICU	CNS
2017-11-10	FRI	23:00:00	07:00:00	OR	CNS
2017-11-09	THU	15:00:00	23:00:00	ICU	CNS
2017-11-05	SUN	19:00:00	07:00:00	QUARR	CNS
2017-11-07	TUE	23:00:00	07:00:00	ICU	CNS
2017-11-06	MON	15:00:00	23:00:00	OR	CNS
2017-10-02	MON	07:00:00	15:00:00	ER	LPN
2017-10-05	THU	07:00:00	15:00:00	OR	LPN
2017-10-07	SAT	19:00:00	07:00:00	QUARR	LPN
2017-10-06	FRI	15:00:00	23:00:00	ER	LPN
2017-10-01	SUN	07:00:00	19:00:00	MAT	LPN
2017-10-14	SAT	07:00:00	19:00:00	ICU	LPN
2017-10-12	THU	07:00:00	15:00:00	PSYCH	LPN
2017-10-11	WED	07:00:00	15:00:00	ER	LPN
2017-10-09	MON	07:00:00	15:00:00	MAT	LPN
2017-10-08	SUN	07:00:00	19:00:00	QUARR	LPN
2017-10-21	SAT	07:00:00	19:00:00	ER	LPN
2017-10-16	MON	15:00:00	23:00:00	ICU	LPN
2017-10-17	TUE	23:00:00	07:00:00	QUARR	LPN
2017-10-19	THU	23:00:00	07:00:00	MAT	LPN
2017-10-20	FRI	07:00:00	15:00:00	MAT	LPN
2017-10-22	SUN	07:00:00	19:00:00	QUARR	LPN
2017-10-27	FRI	23:00:00	07:00:00	ER	LPN
2017-10-28	SAT	19:00:00	07:00:00	ICU	LPN
2017-10-24	TUE	23:00:00	07:00:00	ICU	LPN
2017-10-23	MON	15:00:00	23:00:00	ER	LPN
2017-11-02	THU	23:00:00	07:00:00	ER	LPN
2017-11-03	FRI	07:00:00	15:00:00	QUARR	LPN
2017-11-01	WED	23:00:00	07:00:00	ER	LPN
2017-11-04	SAT	19:00:00	07:00:00	ER	LPN

2017−10−30	MON	07:00:00	15:00:00	MAT	LPN
2017−11−06	MON	15:00:00	23:00:00	OR	LPN
2017−11−11	SAT	19:00:00	07:00:00	PSYCH	LPN
2017−11−10	FRI	15:00:00	23:00:00	QUARR	LPN
2017−11−08	WED	15:00:00	23:00:00	MAT	LPN
2017−11−05	SUN	07:00:00	19:00:00	MAT	LPN
2017−10−06	FRI	07:00:00	15:00:00	OR	CNS
2017−10−04	WED	15:00:00	23:00:00	OR	CNS
2017−10−02	MON	07:00:00	15:00:00	MAT	CNS
2017−10−05	THU	07:00:00	15:00:00	MAT	CNS
2017−10−03	TUE	23:00:00	07:00:00	QUARR	CNS
2017−10−11	WED	15:00:00	23:00:00	MAT	CNS
2017−10−09	MON	23:00:00	07:00:00	QUARR	CNS
2017−10−14	SAT	19:00:00	07:00:00	QUARR	CNS
2017−10−12	THU	07:00:00	15:00:00	ICU	CNS
2017−10−13	FRI	15:00:00	23:00:00	ER	CNS
2017−10−15	SUN	19:00:00	07:00:00	MAT	CNS
2017−10−16	MON	23:00:00	07:00:00	ER	CNS
2017−10−21	SAT	19:00:00	07:00:00	MAT	CNS
2017−10−17	TUE	23:00:00	07:00:00	PSYCH	CNS
2017−10−18	WED	23:00:00	07:00:00	OR	CNS
2017−10−27	FRI	15:00:00	23:00:00	QUARR	CNS
2017−10−22	SUN	07:00:00	19:00:00	ICU	CNS
2017−10−28	SAT	19:00:00	07:00:00	MAT	CNS
2017−10−24	TUE	15:00:00	23:00:00	MAT	CNS
2017−10−25	WED	15:00:00	23:00:00	QUARR	CNS
2017−11−04	SAT	19:00:00	07:00:00	ICU	CNS
2017−11−03	FRI	07:00:00	15:00:00	QUARR	CNS
2017−11−02	THU	15:00:00	23:00:00	ER	CNS
2017−10−30	MON	07:00:00	15:00:00	PSYCH	CNS
2017−10−29	SUN	19:00:00	07:00:00	ER	CNS
2017−11−05	SUN	07:00:00	19:00:00	ICU	CNS
2017−11−11	SAT	19:00:00	07:00:00	PSYCH	CNS
2017−11−07	TUE	15:00:00	23:00:00	OR	CNS
2017−11−10	FRI	07:00:00	15:00:00	OR	CNS
2017−11−06	MON	07:00:00	15:00:00	PSYCH	CNS
2017−10−06	FRI	15:00:00	23:00:00	OR	RN
2017−10−04	WED	23:00:00	07:00:00	QUARR	RN
2017−10−03	TUE	15:00:00	23:00:00	MAT	RN
2017−10−07	SAT	19:00:00	07:00:00	ICU	RN
2017−10−01	SUN	19:00:00	07:00:00	ER	RN
2017−10−13	FRI	23:00:00	07:00:00	QUARR	RN
2017−10−09	MON	23:00:00	07:00:00	PSYCH	RN
2017−10−10	TUE	07:00:00	15:00:00	PSYCH	RN
2017−10−08	SUN	07:00:00	19:00:00	PSYCH	RN
2017−10−11	WED	23:00:00	07:00:00	ER	RN
2017−10−17	TUE	23:00:00	07:00:00	OR	RN
2017−10−21	SAT	07:00:00	19:00:00	MAT	RN
2017−10−19	THU	15:00:00	23:00:00	ICU	RN
2017−10−16	MON	07:00:00	15:00:00	OR	RN
2017−10−18	WED	07:00:00	15:00:00	ER	RN
2017−10−23	MON	15:00:00	23:00:00	ER	RN
2017−10−25	WED	23:00:00	07:00:00	ER	RN
2017−10−28	SAT	19:00:00	07:00:00	QUARR	RN
2017−10−27	FRI	15:00:00	23:00:00	QUARR	RN
2017−10−26	THU	07:00:00	15:00:00	QUARR	RN
2017−10−31	TUE	07:00:00	15:00:00	OR	RN
2017−11−03	FRI	15:00:00	23:00:00	PSYCH	RN
2017−11−04	SAT	07:00:00	19:00:00	ICU	RN
2017−10−29	SUN	07:00:00	19:00:00	PSYCH	RN
2017−10−30	MON	23:00:00	07:00:00	MAT	RN
2017−11−05	SUN	19:00:00	07:00:00	ER	RN

2017−11−08	WED	23:00:00	07:00:00	PSYCH	RN
2017−11−07	TUE	15:00:00	23:00:00	MAT	RN
2017−11−09	THU	15:00:00	23:00:00	PSYCH	RN
2017−11−10	FRI	07:00:00	15:00:00	QUARR	RN
2017−10−02	MON	15:00:00	23:00:00	OR	CNS
2017−10−04	WED	07:00:00	15:00:00	QUARR	CNS
2017−10−01	SUN	19:00:00	07:00:00	OR	CNS
2017−10−06	FRI	15:00:00	23:00:00	ICU	CNS
2017−10−07	SAT	07:00:00	19:00:00	QUARR	CNS
2017−10−08	SUN	19:00:00	07:00:00	PSYCH	CNS
2017−10−09	MON	15:00:00	23:00:00	ICU	CNS
2017−10−12	THU	07:00:00	15:00:00	PSYCH	CNS
2017−10−11	WED	23:00:00	07:00:00	PSYCH	CNS
2017−10−10	TUE	23:00:00	07:00:00	MAT	CNS
2017−10−20	FRI	07:00:00	15:00:00	PSYCH	CNS
2017−10−17	TUE	23:00:00	07:00:00	ICU	CNS
2017−10−21	SAT	07:00:00	19:00:00	MAT	CNS
2017−10−18	WED	07:00:00	15:00:00	QUARR	CNS
2017−10−16	MON	23:00:00	07:00:00	ER	CNS
2017−10−22	SUN	19:00:00	07:00:00	QUARR	CNS
2017−10−24	TUE	23:00:00	07:00:00	QUARR	CNS
2017−10−26	THU	23:00:00	07:00:00	ER	CNS
2017−10−28	SAT	19:00:00	07:00:00	ER	CNS
2017−10−23	MON	23:00:00	07:00:00	MAT	CNS
2017−10−29	SUN	07:00:00	19:00:00	QUARR	CNS
2017−11−02	THU	07:00:00	15:00:00	ER	CNS
2017−11−01	WED	07:00:00	15:00:00	PSYCH	CNS
2017−11−03	FRI	15:00:00	23:00:00	ER	CNS
2017−10−31	TUE	23:00:00	07:00:00	MAT	CNS
2017−11−09	THU	15:00:00	23:00:00	MAT	CNS
2017−11−07	TUE	07:00:00	15:00:00	MAT	CNS
2017−11−06	MON	07:00:00	15:00:00	QUARR	CNS
2017−11−05	SUN	07:00:00	19:00:00	OR	CNS
2017−11−08	WED	15:00:00	23:00:00	MAT	CNS
2017−10−02	MON	23:00:00	07:00:00	ER	NA
2017−10−05	THU	15:00:00	23:00:00	ER	NA
2017−10−04	WED	07:00:00	15:00:00	ICU	NA
2017−10−07	SAT	19:00:00	07:00:00	ICU	NA
2017−10−03	TUE	15:00:00	23:00:00	QUARR	NA
2017−10−11	WED	07:00:00	15:00:00	ER	NA
2017−10−14	SAT	19:00:00	07:00:00	QUARR	NA
2017−10−08	SUN	19:00:00	07:00:00	ICU	NA
2017−10−13	FRI	23:00:00	07:00:00	ER	NA
2017−10−09	MON	15:00:00	23:00:00	MAT	NA
2017−10−17	TUE	15:00:00	23:00:00	ER	NA
2017−10−21	SAT	07:00:00	19:00:00	ICU	NA
2017−10−19	THU	15:00:00	23:00:00	QUARR	NA
2017−10−20	FRI	23:00:00	07:00:00	ER	NA
2017−10−15	SUN	07:00:00	19:00:00	ER	NA
2017−10−26	THU	23:00:00	07:00:00	PSYCH	NA
2017−10−22	SUN	19:00:00	07:00:00	ER	NA
2017−10−27	FRI	15:00:00	23:00:00	ER	NA
2017−10−23	MON	23:00:00	07:00:00	QUARR	NA
2017−10−25	WED	15:00:00	23:00:00	ER	NA
2017−11−04	SAT	07:00:00	19:00:00	PSYCH	NA
2017−11−01	WED	23:00:00	07:00:00	ICU	NA
2017−10−31	TUE	15:00:00	23:00:00	ICU	NA
2017−11−03	FRI	15:00:00	23:00:00	OR	NA
2017−11−02	THU	07:00:00	15:00:00	QUARR	NA
2017−11−07	TUE	23:00:00	07:00:00	ICU	NA
2017−11−09	THU	15:00:00	23:00:00	OR	NA
2017−11−08	WED	07:00:00	15:00:00	PSYCH	NA

2017−11−10	FRI	07:00:00	15:00:00	ICU	NA
2017−11−05	SUN	07:00:00	19:00:00	QUARR	NA
2017−10−04	WED	15:00:00	23:00:00	OR	LPN
2017−10−05	THU	23:00:00	07:00:00	PSYCH	LPN
2017−10−06	FRI	15:00:00	23:00:00	PSYCH	LPN
2017−10−02	MON	15:00:00	23:00:00	PSYCH	LPN
2017−10−01	SUN	07:00:00	19:00:00	ER	LPN
2017−10−08	SUN	19:00:00	07:00:00	ER	LPN
2017−10−13	FRI	15:00:00	23:00:00	QUARR	LPN
2017−10−14	SAT	19:00:00	07:00:00	MAT	LPN
2017−10−10	TUE	15:00:00	23:00:00	ICU	LPN
2017−10−09	MON	23:00:00	07:00:00	ICU	LPN
2017−10−19	THU	07:00:00	15:00:00	MAT	LPN
2017−10−15	SUN	07:00:00	19:00:00	PSYCH	LPN
2017−10−20	FRI	23:00:00	07:00:00	PSYCH	LPN
2017−10−16	MON	23:00:00	07:00:00	OR	LPN
2017−10−17	TUE	15:00:00	23:00:00	QUARR	LPN
2017−10−28	SAT	07:00:00	19:00:00	PSYCH	LPN
2017−10−24	TUE	23:00:00	07:00:00	PSYCH	LPN
2017−10−22	SUN	07:00:00	19:00:00	ER	LPN
2017−10−23	MON	15:00:00	23:00:00	PSYCH	LPN
2017−10−26	THU	15:00:00	23:00:00	QUARR	LPN
2017−10−30	MON	15:00:00	23:00:00	PSYCH	LPN
2017−11−01	WED	23:00:00	07:00:00	PSYCH	LPN
2017−10−29	SUN	07:00:00	19:00:00	QUARR	LPN
2017−11−03	FRI	15:00:00	23:00:00	QUARR	LPN
2017−11−02	THU	15:00:00	23:00:00	MAT	LPN
2017−11−08	WED	23:00:00	07:00:00	PSYCH	LPN
2017−11−10	FRI	15:00:00	23:00:00	QUARR	LPN
2017−11−09	THU	15:00:00	23:00:00	OR	LPN
2017−11−07	TUE	23:00:00	07:00:00	MAT	LPN
2017−11−11	SAT	07:00:00	19:00:00	QUARR	LPN
2017−10−01	SUN	07:00:00	19:00:00	ER	CNS
2017−10−04	WED	15:00:00	23:00:00	PSYCH	CNS
2017−10−06	FRI	15:00:00	23:00:00	QUARR	CNS
2017−10−03	TUE	07:00:00	15:00:00	ER	CNS
2017−10−05	THU	23:00:00	07:00:00	OR	CNS
2017−10−08	SUN	19:00:00	07:00:00	ICU	CNS
2017−10−14	SAT	07:00:00	19:00:00	MAT	CNS
2017−10−12	THU	23:00:00	07:00:00	QUARR	CNS
2017−10−11	WED	15:00:00	23:00:00	QUARR	CNS
2017−10−13	FRI	15:00:00	23:00:00	ER	CNS
2017−10−21	SAT	19:00:00	07:00:00	MAT	CNS
2017−10−18	WED	07:00:00	15:00:00	ICU	CNS
2017−10−15	SUN	19:00:00	07:00:00	PSYCH	CNS
2017−10−17	TUE	15:00:00	23:00:00	QUARR	CNS
2017−10−20	FRI	07:00:00	15:00:00	PSYCH	CNS
2017−10−28	SAT	19:00:00	07:00:00	ER	CNS
2017−10−25	WED	07:00:00	15:00:00	PSYCH	CNS
2017−10−22	SUN	07:00:00	19:00:00	OR	CNS
2017−10−27	FRI	23:00:00	07:00:00	ICU	CNS
2017−10−23	MON	07:00:00	15:00:00	ICU	CNS
2017−11−01	WED	07:00:00	15:00:00	OR	CNS
2017−11−03	FRI	07:00:00	15:00:00	MAT	CNS
2017−10−29	SUN	07:00:00	19:00:00	ER	CNS
2017−11−02	THU	07:00:00	15:00:00	QUARR	CNS
2017−10−31	TUE	07:00:00	15:00:00	ICU	CNS
2017−11−10	FRI	07:00:00	15:00:00	ER	CNS
2017−11−07	TUE	15:00:00	23:00:00	PSYCH	CNS
2017−11−09	THU	23:00:00	07:00:00	QUARR	CNS
2017−11−11	SAT	07:00:00	19:00:00	ICU	CNS
2017−11−08	WED	23:00:00	07:00:00	OR	CNS

```
+----------------+--------+----------+----------+-------------+------+-------+
600 rows in set (0.01 sec)
```

Query 2

shiftDate	day	start	end	department	role	needs
2017-10-02	MON	07:00:00	15:00:00	ER	RN	3
2017-10-02	MON	07:00:00	15:00:00	ER	LPN	3
2017-10-02	MON	07:00:00	15:00:00	ER	NP	3
2017-10-02	MON	07:00:00	15:00:00	ER	CNS	2
2017-10-02	MON	07:00:00	15:00:00	ER	NA	2
2017-10-02	MON	07:00:00	15:00:00	ICU	RN	3
2017-10-02	MON	07:00:00	15:00:00	ICU	LPN	2
2017-10-02	MON	07:00:00	15:00:00	ICU	NP	2
2017-10-02	MON	07:00:00	15:00:00	ICU	CNS	3
2017-10-02	MON	07:00:00	15:00:00	ICU	NA	2
2017-10-02	MON	07:00:00	15:00:00	MAT	RN	2
2017-10-02	MON	07:00:00	15:00:00	MAT	LPN	3
2017-10-02	MON	07:00:00	15:00:00	MAT	NP	3
2017-10-02	MON	07:00:00	15:00:00	MAT	CNS	3
2017-10-02	MON	07:00:00	15:00:00	MAT	NA	2
2017-10-02	MON	07:00:00	15:00:00	OR	RN	3
2017-10-02	MON	07:00:00	15:00:00	OR	LPN	2
2017-10-02	MON	07:00:00	15:00:00	OR	NP	3
2017-10-02	MON	07:00:00	15:00:00	OR	CNS	3
2017-10-02	MON	07:00:00	15:00:00	OR	NA	2
2017-10-02	MON	07:00:00	15:00:00	QUARR	RN	3
2017-10-02	MON	07:00:00	15:00:00	QUARR	LPN	3
2017-10-02	MON	07:00:00	15:00:00	QUARR	NP	3
2017-10-02	MON	07:00:00	15:00:00	QUARR	CNS	3
2017-10-02	MON	07:00:00	15:00:00	QUARR	NA	2
2017-10-02	MON	07:00:00	15:00:00	PSYCH	RN	3
2017-10-02	MON	07:00:00	15:00:00	PSYCH	LPN	3
2017-10-02	MON	07:00:00	15:00:00	PSYCH	NP	2
2017-10-02	MON	07:00:00	15:00:00	PSYCH	CNS	2
2017-10-02	MON	07:00:00	15:00:00	PSYCH	NA	3
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2017-10-03	TUE	07:00:00	15:00:00	QUARR	LPN	2
2017-10-03	TUE	07:00:00	15:00:00	QUARR	NP	2
2017-10-03	TUE	07:00:00	15:00:00	QUARR	CNS	3

2017−10−03	TUE	07:00:00	15:00:00	QUARR	NA	3
2017−10−03	TUE	07:00:00	15:00:00	PSYCH	RN	3
2017−10−03	TUE	07:00:00	15:00:00	PSYCH	LPN	2
2017−10−03	TUE	07:00:00	15:00:00	PSYCH	NP	3
2017−10−03	TUE	07:00:00	15:00:00	PSYCH	CNS	2
2017−10−03	TUE	07:00:00	15:00:00	PSYCH	NA	3
2017−10−04	WED	07:00:00	15:00:00	ER	RN	2
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2017−10−04	WED	07:00:00	15:00:00	ICU	LPN	3
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2017−10−04	WED	07:00:00	15:00:00	MAT	RN	2
2017−10−04	WED	07:00:00	15:00:00	MAT	LPN	2
2017−10−04	WED	07:00:00	15:00:00	MAT	NP	3
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2017−10−04	WED	07:00:00	15:00:00	OR	RN	3
2017−10−04	WED	07:00:00	15:00:00	OR	LPN	2
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2017−10−04	WED	07:00:00	15:00:00	OR	CNS	3
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2017−10−04	WED	07:00:00	15:00:00	PSYCH	RN	2
2017−10−04	WED	07:00:00	15:00:00	PSYCH	LPN	3
2017−10−04	WED	07:00:00	15:00:00	PSYCH	NP	2
2017−10−04	WED	07:00:00	15:00:00	PSYCH	CNS	3
2017−10−04	WED	07:00:00	15:00:00	PSYCH	NA	3
2017−10−05	THU	07:00:00	15:00:00	ER	RN	3
2017−10−05	THU	07:00:00	15:00:00	ER	LPN	2
2017−10−05	THU	07:00:00	15:00:00	ER	NP	2
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2017−10−05	THU	07:00:00	15:00:00	QUARR	NP	2
2017−10−05	THU	07:00:00	15:00:00	QUARR	CNS	3
2017−10−05	THU	07:00:00	15:00:00	QUARR	NA	2
2017−10−05	THU	07:00:00	15:00:00	PSYCH	RN	3

2017−10−05	THU	07:00:00	15:00:00	PSYCH	LPN	3	
2017−10−05	THU	07:00:00	15:00:00	PSYCH	NP	2	
2017−10−05	THU	07:00:00	15:00:00	PSYCH	CNS	2	
2017−10−05	THU	07:00:00	15:00:00	PSYCH	NA	3	
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2017−10−02	MON	15:00:00	23:00:00	PSYCH	RN	3	
2017−10−02	MON	15:00:00	23:00:00	PSYCH	LPN	2	
2017−10−02	MON	15:00:00	23:00:00	PSYCH	NP	3	

2017−10−02	MON	15:00:00	23:00:00	PSYCH	CNS	3
2017−10−02	MON	15:00:00	23:00:00	PSYCH	NA	3
2017−10−03	TUE	15:00:00	23:00:00	ER	RN	2
2017−10−03	TUE	15:00:00	23:00:00	ER	LPN	2
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2017−10−03	TUE	15:00:00	23:00:00	PSYCH	LPN	2
2017−10−03	TUE	15:00:00	23:00:00	PSYCH	NP	3
2017−10−03	TUE	15:00:00	23:00:00	PSYCH	CNS	2
2017−10−03	TUE	15:00:00	23:00:00	PSYCH	NA	2
2017−10−04	WED	15:00:00	23:00:00	ER	RN	2
2017−10−04	WED	15:00:00	23:00:00	ER	LPN	2
2017−10−04	WED	15:00:00	23:00:00	ER	NP	3
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2017−10−04	WED	15:00:00	23:00:00	MAT	LPN	2
2017−10−04	WED	15:00:00	23:00:00	MAT	NP	3
2017−10−04	WED	15:00:00	23:00:00	MAT	CNS	3
2017−10−04	WED	15:00:00	23:00:00	MAT	NA	2
2017−10−04	WED	15:00:00	23:00:00	OR	RN	3
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2017−10−04	WED	15:00:00	23:00:00	OR	NP	2
2017−10−04	WED	15:00:00	23:00:00	OR	CNS	3
2017−10−04	WED	15:00:00	23:00:00	OR	NA	2
2017−10−04	WED	15:00:00	23:00:00	QUARR	RN	3
2017−10−04	WED	15:00:00	23:00:00	QUARR	LPN	3
2017−10−04	WED	15:00:00	23:00:00	QUARR	NP	3
2017−10−04	WED	15:00:00	23:00:00	QUARR	CNS	2
2017−10−04	WED	15:00:00	23:00:00	QUARR	NA	3
2017−10−04	WED	15:00:00	23:00:00	PSYCH	RN	3
2017−10−04	WED	15:00:00	23:00:00	PSYCH	LPN	2
2017−10−04	WED	15:00:00	23:00:00	PSYCH	NP	2
2017−10−04	WED	15:00:00	23:00:00	PSYCH	CNS	3
2017−10−04	WED	15:00:00	23:00:00	PSYCH	NA	2

2017−10−05	THU	15:00:00	23:00:00	ER	RN	2
2017−10−05	THU	15:00:00	23:00:00	ER	LPN	3
2017−10−05	THU	15:00:00	23:00:00	ER	NP	3
2017−10−05	THU	15:00:00	23:00:00	ER	CNS	2
2017−10−05	THU	15:00:00	23:00:00	ER	NA	3
2017−10−05	THU	15:00:00	23:00:00	ICU	RN	3
2017−10−05	THU	15:00:00	23:00:00	ICU	LPN	2
2017−10−05	THU	15:00:00	23:00:00	ICU	NP	2
2017−10−05	THU	15:00:00	23:00:00	ICU	CNS	3
2017−10−05	THU	15:00:00	23:00:00	ICU	NA	2
2017−10−05	THU	15:00:00	23:00:00	MAT	RN	3
2017−10−05	THU	15:00:00	23:00:00	MAT	LPN	3
2017−10−05	THU	15:00:00	23:00:00	MAT	NP	2
2017−10−05	THU	15:00:00	23:00:00	MAT	CNS	2
2017−10−05	THU	15:00:00	23:00:00	MAT	NA	2
2017−10−05	THU	15:00:00	23:00:00	OR	RN	2
2017−10−05	THU	15:00:00	23:00:00	OR	LPN	2
2017−10−05	THU	15:00:00	23:00:00	OR	NP	3
2017−10−05	THU	15:00:00	23:00:00	OR	CNS	2
2017−10−05	THU	15:00:00	23:00:00	OR	NA	3
2017−10−05	THU	15:00:00	23:00:00	QUARR	RN	3
2017−10−05	THU	15:00:00	23:00:00	QUARR	LPN	3
2017−10−05	THU	15:00:00	23:00:00	QUARR	NP	2
2017−10−05	THU	15:00:00	23:00:00	QUARR	CNS	3
2017−10−05	THU	15:00:00	23:00:00	QUARR	NA	2
2017−10−05	THU	15:00:00	23:00:00	PSYCH	RN	2
2017−10−05	THU	15:00:00	23:00:00	PSYCH	LPN	3
2017−10−05	THU	15:00:00	23:00:00	PSYCH	NP	3
2017−10−05	THU	15:00:00	23:00:00	PSYCH	CNS	2
2017−10−05	THU	15:00:00	23:00:00	PSYCH	NA	2
2017−10−06	FRI	15:00:00	23:00:00	ER	RN	3
2017−10−06	FRI	15:00:00	23:00:00	ER	LPN	2
2017−10−06	FRI	15:00:00	23:00:00	ER	NP	3
2017−10−06	FRI	15:00:00	23:00:00	ER	CNS	2
2017−10−06	FRI	15:00:00	23:00:00	ER	NA	3
2017−10−06	FRI	15:00:00	23:00:00	ICU	RN	2
2017−10−06	FRI	15:00:00	23:00:00	ICU	LPN	2
2017−10−06	FRI	15:00:00	23:00:00	ICU	NP	3
2017−10−06	FRI	15:00:00	23:00:00	ICU	CNS	2
2017−10−06	FRI	15:00:00	23:00:00	ICU	NA	2
2017−10−06	FRI	15:00:00	23:00:00	MAT	RN	3
2017−10−06	FRI	15:00:00	23:00:00	MAT	LPN	2
2017−10−06	FRI	15:00:00	23:00:00	MAT	NP	2
2017−10−06	FRI	15:00:00	23:00:00	MAT	CNS	2
2017−10−06	FRI	15:00:00	23:00:00	MAT	NA	3
2017−10−06	FRI	15:00:00	23:00:00	OR	RN	3
2017−10−06	FRI	15:00:00	23:00:00	OR	LPN	2
2017−10−06	FRI	15:00:00	23:00:00	OR	NP	2
2017−10−06	FRI	15:00:00	23:00:00	OR	CNS	2
2017−10−06	FRI	15:00:00	23:00:00	OR	NA	3
2017−10−06	FRI	15:00:00	23:00:00	QUARR	RN	3
2017−10−06	FRI	15:00:00	23:00:00	QUARR	LPN	2
2017−10−06	FRI	15:00:00	23:00:00	QUARR	NP	2
2017−10−06	FRI	15:00:00	23:00:00	QUARR	CNS	3
2017−10−06	FRI	15:00:00	23:00:00	QUARR	NA	3
2017−10−06	FRI	15:00:00	23:00:00	PSYCH	RN	2
2017−10−06	FRI	15:00:00	23:00:00	PSYCH	LPN	3
2017−10−06	FRI	15:00:00	23:00:00	PSYCH	NP	3
2017−10−06	FRI	15:00:00	23:00:00	PSYCH	CNS	2
2017−10−06	FRI	15:00:00	23:00:00	PSYCH	NA	3
2017−10−02	MON	23:00:00	07:00:00	ER	RN	2
2017−10−02	MON	23:00:00	07:00:00	ER	LPN	3

2017-10-02	MON	23:00:00	07:00:00	ER	NP	3
2017-10-02	MON	23:00:00	07:00:00	ER	CNS	3
2017-10-02	MON	23:00:00	07:00:00	ER	NA	2
2017-10-02	MON	23:00:00	07:00:00	ICU	RN	3
2017-10-02	MON	23:00:00	07:00:00	ICU	LPN	2
2017-10-02	MON	23:00:00	07:00:00	ICU	NP	2
2017-10-02	MON	23:00:00	07:00:00	ICU	CNS	3
2017-10-02	MON	23:00:00	07:00:00	ICU	NA	2
2017-10-02	MON	23:00:00	07:00:00	MAT	RN	2
2017-10-02	MON	23:00:00	07:00:00	MAT	LPN	2
2017-10-02	MON	23:00:00	07:00:00	MAT	NP	2
2017-10-02	MON	23:00:00	07:00:00	MAT	CNS	3
2017-10-02	MON	23:00:00	07:00:00	MAT	NA	2
2017-10-02	MON	23:00:00	07:00:00	OR	RN	3
2017-10-02	MON	23:00:00	07:00:00	OR	LPN	3
2017-10-02	MON	23:00:00	07:00:00	OR	NP	2
2017-10-02	MON	23:00:00	07:00:00	OR	CNS	3
2017-10-02	MON	23:00:00	07:00:00	OR	NA	3
2017-10-02	MON	23:00:00	07:00:00	QUARR	RN	2
2017-10-02	MON	23:00:00	07:00:00	QUARR	LPN	2
2017-10-02	MON	23:00:00	07:00:00	QUARR	NP	3
2017-10-02	MON	23:00:00	07:00:00	QUARR	CNS	3
2017-10-02	MON	23:00:00	07:00:00	QUARR	NA	2
2017-10-02	MON	23:00:00	07:00:00	PSYCH	RN	2
2017-10-02	MON	23:00:00	07:00:00	PSYCH	LPN	2
2017-10-02	MON	23:00:00	07:00:00	PSYCH	NP	3
2017-10-02	MON	23:00:00	07:00:00	PSYCH	CNS	2
2017-10-02	MON	23:00:00	07:00:00	PSYCH	NA	2
2017-10-03	TUE	23:00:00	07:00:00	ER	RN	3
2017-10-03	TUE	23:00:00	07:00:00	ER	LPN	3
2017-10-03	TUE	23:00:00	07:00:00	ER	NP	2
2017-10-03	TUE	23:00:00	07:00:00	ER	CNS	3
2017-10-03	TUE	23:00:00	07:00:00	ER	NA	2
2017-10-03	TUE	23:00:00	07:00:00	ICU	RN	3
2017-10-03	TUE	23:00:00	07:00:00	ICU	LPN	2
2017-10-03	TUE	23:00:00	07:00:00	ICU	NP	2
2017-10-03	TUE	23:00:00	07:00:00	ICU	CNS	2
2017-10-03	TUE	23:00:00	07:00:00	ICU	NA	3
2017-10-03	TUE	23:00:00	07:00:00	MAT	RN	2
2017-10-03	TUE	23:00:00	07:00:00	MAT	LPN	3
2017-10-03	TUE	23:00:00	07:00:00	MAT	NP	2
2017-10-03	TUE	23:00:00	07:00:00	MAT	CNS	2
2017-10-03	TUE	23:00:00	07:00:00	MAT	NA	3
2017-10-03	TUE	23:00:00	07:00:00	OR	RN	3
2017-10-03	TUE	23:00:00	07:00:00	OR	LPN	2
2017-10-03	TUE	23:00:00	07:00:00	OR	NP	2
2017-10-03	TUE	23:00:00	07:00:00	OR	CNS	2
2017-10-03	TUE	23:00:00	07:00:00	OR	NA	3
2017-10-03	TUE	23:00:00	07:00:00	QUARR	RN	2
2017-10-03	TUE	23:00:00	07:00:00	QUARR	LPN	2
2017-10-03	TUE	23:00:00	07:00:00	QUARR	NP	3
2017-10-03	TUE	23:00:00	07:00:00	QUARR	CNS	2
2017-10-03	TUE	23:00:00	07:00:00	QUARR	NA	2
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2017-10-03	TUE	23:00:00	07:00:00	PSYCH	LPN	3
2017-10-03	TUE	23:00:00	07:00:00	PSYCH	NP	2
2017-10-03	TUE	23:00:00	07:00:00	PSYCH	CNS	3
2017-10-03	TUE	23:00:00	07:00:00	PSYCH	NA	3
2017-10-04	WED	23:00:00	07:00:00	ER	RN	2
2017-10-04	WED	23:00:00	07:00:00	ER	LPN	2
2017-10-04	WED	23:00:00	07:00:00	ER	NP	2
2017-10-04	WED	23:00:00	07:00:00	ER	CNS	3

2017−10−04	WED	23:00:00	07:00:00	ER	NA	3
2017−10−04	WED	23:00:00	07:00:00	ICU	RN	3
2017−10−04	WED	23:00:00	07:00:00	ICU	LPN	2
2017−10−04	WED	23:00:00	07:00:00	ICU	NP	2
2017−10−04	WED	23:00:00	07:00:00	ICU	CNS	3
2017−10−04	WED	23:00:00	07:00:00	ICU	NA	2
2017−10−04	WED	23:00:00	07:00:00	MAT	RN	2
2017−10−04	WED	23:00:00	07:00:00	MAT	LPN	2
2017−10−04	WED	23:00:00	07:00:00	MAT	NP	3
2017−10−04	WED	23:00:00	07:00:00	MAT	CNS	2
2017−10−04	WED	23:00:00	07:00:00	MAT	NA	3
2017−10−04	WED	23:00:00	07:00:00	OR	RN	3
2017−10−04	WED	23:00:00	07:00:00	OR	LPN	3
2017−10−04	WED	23:00:00	07:00:00	OR	NP	3
2017−10−04	WED	23:00:00	07:00:00	OR	CNS	3
2017−10−04	WED	23:00:00	07:00:00	OR	NA	2
2017−10−04	WED	23:00:00	07:00:00	QUARR	RN	3
2017−10−04	WED	23:00:00	07:00:00	QUARR	LPN	2
2017−10−04	WED	23:00:00	07:00:00	QUARR	NP	2
2017−10−04	WED	23:00:00	07:00:00	QUARR	CNS	3
2017−10−04	WED	23:00:00	07:00:00	QUARR	NA	3
2017−10−04	WED	23:00:00	07:00:00	PSYCH	RN	2
2017−10−04	WED	23:00:00	07:00:00	PSYCH	LPN	3
2017−10−04	WED	23:00:00	07:00:00	PSYCH	NP	2
2017−10−04	WED	23:00:00	07:00:00	PSYCH	CNS	3
2017−10−04	WED	23:00:00	07:00:00	PSYCH	NA	3
2017−10−05	THU	23:00:00	07:00:00	ER	RN	3
2017−10−05	THU	23:00:00	07:00:00	ER	LPN	2
2017−10−05	THU	23:00:00	07:00:00	ER	NP	3
2017−10−05	THU	23:00:00	07:00:00	ER	CNS	3
2017−10−05	THU	23:00:00	07:00:00	ER	NA	3
2017−10−05	THU	23:00:00	07:00:00	ICU	RN	3
2017−10−05	THU	23:00:00	07:00:00	ICU	LPN	3
2017−10−05	THU	23:00:00	07:00:00	ICU	NP	3
2017−10−05	THU	23:00:00	07:00:00	ICU	CNS	2
2017−10−05	THU	23:00:00	07:00:00	ICU	NA	3
2017−10−05	THU	23:00:00	07:00:00	MAT	RN	3
2017−10−05	THU	23:00:00	07:00:00	MAT	LPN	2
2017−10−05	THU	23:00:00	07:00:00	MAT	NP	2
2017−10−05	THU	23:00:00	07:00:00	MAT	CNS	3
2017−10−05	THU	23:00:00	07:00:00	MAT	NA	2
2017−10−05	THU	23:00:00	07:00:00	OR	RN	2
2017−10−05	THU	23:00:00	07:00:00	OR	LPN	2
2017−10−05	THU	23:00:00	07:00:00	OR	NP	3
2017−10−05	THU	23:00:00	07:00:00	OR	CNS	3
2017−10−05	THU	23:00:00	07:00:00	OR	NA	2
2017−10−05	THU	23:00:00	07:00:00	QUARR	RN	3
2017−10−05	THU	23:00:00	07:00:00	QUARR	LPN	3
2017−10−05	THU	23:00:00	07:00:00	QUARR	NP	2
2017−10−05	THU	23:00:00	07:00:00	QUARR	CNS	3
2017−10−05	THU	23:00:00	07:00:00	QUARR	NA	3
2017−10−05	THU	23:00:00	07:00:00	PSYCH	RN	2
2017−10−05	THU	23:00:00	07:00:00	PSYCH	LPN	2
2017−10−05	THU	23:00:00	07:00:00	PSYCH	NP	2
2017−10−05	THU	23:00:00	07:00:00	PSYCH	CNS	2
2017−10−05	THU	23:00:00	07:00:00	PSYCH	NA	2
2017−10−06	FRI	23:00:00	07:00:00	ER	RN	3
2017−10−06	FRI	23:00:00	07:00:00	ER	LPN	3
2017−10−06	FRI	23:00:00	07:00:00	ER	NP	3
2017−10−06	FRI	23:00:00	07:00:00	ER	CNS	2
2017−10−06	FRI	23:00:00	07:00:00	ER	NA	2
2017−10−06	FRI	23:00:00	07:00:00	ICU	RN	3

2017−10−06	FRI	23:00:00	07:00:00	ICU	LPN	3
2017−10−06	FRI	23:00:00	07:00:00	ICU	NP	3
2017−10−06	FRI	23:00:00	07:00:00	ICU	CNS	3
2017−10−06	FRI	23:00:00	07:00:00	ICU	NA	3
2017−10−06	FRI	23:00:00	07:00:00	MAT	RN	2
2017−10−06	FRI	23:00:00	07:00:00	MAT	LPN	2
2017−10−06	FRI	23:00:00	07:00:00	MAT	NP	2
2017−10−06	FRI	23:00:00	07:00:00	MAT	CNS	2
2017−10−06	FRI	23:00:00	07:00:00	MAT	NA	2
2017−10−06	FRI	23:00:00	07:00:00	OR	RN	3
2017−10−06	FRI	23:00:00	07:00:00	OR	LPN	2
2017−10−06	FRI	23:00:00	07:00:00	OR	NP	2
2017−10−06	FRI	23:00:00	07:00:00	OR	CNS	3
2017−10−06	FRI	23:00:00	07:00:00	OR	NA	2
2017−10−06	FRI	23:00:00	07:00:00	QUARR	RN	3
2017−10−06	FRI	23:00:00	07:00:00	QUARR	LPN	3
2017−10−06	FRI	23:00:00	07:00:00	QUARR	NP	3
2017−10−06	FRI	23:00:00	07:00:00	QUARR	CNS	2
2017−10−06	FRI	23:00:00	07:00:00	QUARR	NA	3
2017−10−06	FRI	23:00:00	07:00:00	PSYCH	RN	2
2017−10−06	FRI	23:00:00	07:00:00	PSYCH	LPN	2
2017−10−06	FRI	23:00:00	07:00:00	PSYCH	NP	3
2017−10−06	FRI	23:00:00	07:00:00	PSYCH	CNS	2
2017−10−06	FRI	23:00:00	07:00:00	PSYCH	NA	2
2017−10−01	SUN	07:00:00	19:00:00	ER	RN	3
2017−10−01	SUN	07:00:00	19:00:00	ER	LPN	2
2017−10−01	SUN	07:00:00	19:00:00	ER	NP	2
2017−10−01	SUN	07:00:00	19:00:00	ER	CNS	2
2017−10−01	SUN	07:00:00	19:00:00	ER	NA	3
2017−10−01	SUN	07:00:00	19:00:00	ICU	RN	2
2017−10−01	SUN	07:00:00	19:00:00	ICU	LPN	2
2017−10−01	SUN	07:00:00	19:00:00	ICU	NP	3
2017−10−01	SUN	07:00:00	19:00:00	ICU	CNS	3
2017−10−01	SUN	07:00:00	19:00:00	ICU	NA	2
2017−10−01	SUN	07:00:00	19:00:00	MAT	RN	3
2017−10−01	SUN	07:00:00	19:00:00	MAT	LPN	3
2017−10−01	SUN	07:00:00	19:00:00	MAT	NP	3
2017−10−01	SUN	07:00:00	19:00:00	MAT	CNS	3
2017−10−01	SUN	07:00:00	19:00:00	MAT	NA	2
2017−10−01	SUN	07:00:00	19:00:00	OR	RN	2
2017−10−01	SUN	07:00:00	19:00:00	OR	LPN	3
2017−10−01	SUN	07:00:00	19:00:00	OR	NP	3
2017−10−01	SUN	07:00:00	19:00:00	OR	CNS	2
2017−10−01	SUN	07:00:00	19:00:00	OR	NA	3
2017−10−01	SUN	07:00:00	19:00:00	QUARR	RN	2
2017−10−01	SUN	07:00:00	19:00:00	QUARR	LPN	3
2017−10−01	SUN	07:00:00	19:00:00	QUARR	NP	2
2017−10−01	SUN	07:00:00	19:00:00	QUARR	CNS	3
2017−10−01	SUN	07:00:00	19:00:00	QUARR	NA	2
2017−10−01	SUN	07:00:00	19:00:00	PSYCH	RN	3
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2017−10−07	SAT	07:00:00	19:00:00	ER	NP	3
2017−10−07	SAT	07:00:00	19:00:00	ER	CNS	2
2017−10−07	SAT	07:00:00	19:00:00	ER	NA	2
2017−10−07	SAT	07:00:00	19:00:00	ICU	RN	2
2017−10−07	SAT	07:00:00	19:00:00	ICU	LPN	3
2017−10−07	SAT	07:00:00	19:00:00	ICU	NP	3

2017-10-07	SAT	07:00:00	19:00:00	ICU	CNS	3
2017-10-07	SAT	07:00:00	19:00:00	ICU	NA	2
2017-10-07	SAT	07:00:00	19:00:00	MAT	RN	2
2017-10-07	SAT	07:00:00	19:00:00	MAT	LPN	2
2017-10-07	SAT	07:00:00	19:00:00	MAT	NP	3
2017-10-07	SAT	07:00:00	19:00:00	MAT	CNS	3
2017-10-07	SAT	07:00:00	19:00:00	MAT	NA	2
2017-10-07	SAT	07:00:00	19:00:00	OR	RN	2
2017-10-07	SAT	07:00:00	19:00:00	OR	LPN	2
2017-10-07	SAT	07:00:00	19:00:00	OR	NP	2
2017-10-07	SAT	07:00:00	19:00:00	OR	CNS	3
2017-10-07	SAT	07:00:00	19:00:00	OR	NA	3
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2017-10-07	SAT	07:00:00	19:00:00	QUARR	NP	2
2017-10-07	SAT	07:00:00	19:00:00	QUARR	CNS	2
2017-10-07	SAT	07:00:00	19:00:00	QUARR	NA	3
2017-10-07	SAT	07:00:00	19:00:00	PSYCH	RN	2
2017-10-07	SAT	07:00:00	19:00:00	PSYCH	LPN	2
2017-10-07	SAT	07:00:00	19:00:00	PSYCH	NP	3
2017-10-07	SAT	07:00:00	19:00:00	PSYCH	CNS	2
2017-10-07	SAT	07:00:00	19:00:00	PSYCH	NA	3
2017-10-01	SUN	19:00:00	07:00:00	ER	RN	3
2017-10-01	SUN	19:00:00	07:00:00	ER	LPN	2
2017-10-01	SUN	19:00:00	07:00:00	ER	NP	3
2017-10-01	SUN	19:00:00	07:00:00	ER	CNS	2
2017-10-01	SUN	19:00:00	07:00:00	ER	NA	3
2017-10-01	SUN	19:00:00	07:00:00	ICU	RN	2
2017-10-01	SUN	19:00:00	07:00:00	ICU	LPN	3
2017-10-01	SUN	19:00:00	07:00:00	ICU	NP	3
2017-10-01	SUN	19:00:00	07:00:00	ICU	CNS	3
2017-10-01	SUN	19:00:00	07:00:00	ICU	NA	3
2017-10-01	SUN	19:00:00	07:00:00	MAT	RN	3
2017-10-01	SUN	19:00:00	07:00:00	MAT	LPN	2
2017-10-01	SUN	19:00:00	07:00:00	MAT	NP	3
2017-10-01	SUN	19:00:00	07:00:00	MAT	CNS	3
2017-10-01	SUN	19:00:00	07:00:00	MAT	NA	3
2017-10-01	SUN	19:00:00	07:00:00	OR	RN	2
2017-10-01	SUN	19:00:00	07:00:00	OR	LPN	3
2017-10-01	SUN	19:00:00	07:00:00	OR	NP	3
2017-10-01	SUN	19:00:00	07:00:00	OR	CNS	3
2017-10-01	SUN	19:00:00	07:00:00	OR	NA	2
2017-10-01	SUN	19:00:00	07:00:00	QUARR	RN	2
2017-10-01	SUN	19:00:00	07:00:00	QUARR	LPN	2
2017-10-01	SUN	19:00:00	07:00:00	QUARR	NP	3
2017-10-01	SUN	19:00:00	07:00:00	QUARR	CNS	2
2017-10-01	SUN	19:00:00	07:00:00	QUARR	NA	2
2017-10-01	SUN	19:00:00	07:00:00	PSYCH	RN	2
2017-10-01	SUN	19:00:00	07:00:00	PSYCH	LPN	2
2017-10-01	SUN	19:00:00	07:00:00	PSYCH	NP	2
2017-10-01	SUN	19:00:00	07:00:00	PSYCH	CNS	2
2017-10-01	SUN	19:00:00	07:00:00	PSYCH	NA	3
2017-10-07	SAT	19:00:00	07:00:00	ER	RN	3
2017-10-07	SAT	19:00:00	07:00:00	ER	LPN	3
2017-10-07	SAT	19:00:00	07:00:00	ER	NP	2
2017-10-07	SAT	19:00:00	07:00:00	ER	CNS	3
2017-10-07	SAT	19:00:00	07:00:00	ER	NA	2
2017-10-07	SAT	19:00:00	07:00:00	ICU	RN	2
2017-10-07	SAT	19:00:00	07:00:00	ICU	LPN	2
2017-10-07	SAT	19:00:00	07:00:00	ICU	NP	3
2017-10-07	SAT	19:00:00	07:00:00	ICU	CNS	3
2017-10-07	SAT	19:00:00	07:00:00	ICU	NA	3

2017-10-07	SAT	19:00:00	07:00:00	MAT	RN	3
2017-10-07	SAT	19:00:00	07:00:00	MAT	LPN	2
2017-10-07	SAT	19:00:00	07:00:00	MAT	NP	2
2017-10-07	SAT	19:00:00	07:00:00	MAT	CNS	3
2017-10-07	SAT	19:00:00	07:00:00	MAT	NA	3
2017-10-07	SAT	19:00:00	07:00:00	OR	RN	3
2017-10-07	SAT	19:00:00	07:00:00	OR	LPN	3
2017-10-07	SAT	19:00:00	07:00:00	OR	NP	2
2017-10-07	SAT	19:00:00	07:00:00	OR	CNS	2
2017-10-07	SAT	19:00:00	07:00:00	OR	NA	3
2017-10-07	SAT	19:00:00	07:00:00	QUARR	RN	3
2017-10-07	SAT	19:00:00	07:00:00	QUARR	LPN	3
2017-10-07	SAT	19:00:00	07:00:00	QUARR	NP	3
2017-10-07	SAT	19:00:00	07:00:00	QUARR	CNS	2
2017-10-07	SAT	19:00:00	07:00:00	QUARR	NA	2
2017-10-07	SAT	19:00:00	07:00:00	PSYCH	RN	2
2017-10-07	SAT	19:00:00	07:00:00	PSYCH	LPN	3
2017-10-07	SAT	19:00:00	07:00:00	PSYCH	NP	2
2017-10-07	SAT	19:00:00	07:00:00	PSYCH	CNS	2
2017-10-07	SAT	19:00:00	07:00:00	PSYCH	NA	2

570 rows in set (0.01 sec)

Query 3

department	firstName	lastName	phoneNumber	shiftDate	day	start	end
ER	Adam	Apple	000-000-0001	2017-10-04	WED	15:00:00	23:00:00
ER	Derek	Davis	000-000-0004	2017-10-05	THU	07:00:00	15:00:00
ER	George	Grant	000-000-0007	2017-10-04	WED	23:00:00	07:00:00
ER	Jack	Joplin	000-000-0010	2017-10-01	SUN	19:00:00	07:00:00
ER	Kevin	Keller	000-000-0011	2017-10-05	THU	15:00:00	23:00:00
ER	Kevin	Keller	000-000-0011	2017-10-04	WED	07:00:00	15:00:00
ER	Nick	Norton	000-000-0014	2017-10-06	FRI	15:00:00	23:00:00
ER	Nick	Norton	000-000-0014	2017-10-02	MON	07:00:00	15:00:00
ER	Peter	Parker	000-000-0016	2017-10-01	SUN	19:00:00	07:00:00
ER	Robert	Rodgers	000-000-0018	2017-10-02	MON	23:00:00	07:00:00
ER	Robert	Rodgers	000-000-0018	2017-10-05	THU	15:00:00	23:00:00
ER	Sam	Saville	000-000-0019	2017-10-01	SUN	07:00:00	19:00:00
ER	Tom	Tarantino	000-000-0020	2017-10-01	SUN	07:00:00	19:00:00
ER	Tom	Tarantino	000-000-0020	2017-10-03	TUE	07:00:00	15:00:00
ICU	Adam	Apple	000-000-0001	2017-10-01	SUN	19:00:00	07:00:00
ICU	Adam	Apple	000-000-0001	2017-10-02	MON	23:00:00	07:00:00
ICU	Brad	Baker	000-000-0002	2017-10-07	SAT	19:00:00	07:00:00
ICU	Brad	Baker	000-000-0002	2017-10-01	SUN	07:00:00	19:00:00
ICU	Charles	Chaplan	000-000-0003	2017-10-01	SUN	07:00:00	19:00:00
ICU	Derek	Davis	000-000-0004	2017-10-03	TUE	07:00:00	15:00:00
ICU	Evan	Elliott	000-000-0005	2017-10-02	MON	23:00:00	07:00:00
ICU	Hank	Hamill	000-000-0008	2017-10-06	FRI	15:00:00	23:00:00
ICU	Hank	Hamill	000-000-0008	2017-10-02	MON	23:00:00	07:00:00
ICU	Hank	Hamill	000-000-0008	2017-10-05	THU	15:00:00	23:00:00
ICU	Jack	Joplin	000-000-0010	2017-10-05	THU	15:00:00	23:00:00
ICU	Jack	Joplin	000-000-0010	2017-10-03	TUE	07:00:00	15:00:00
ICU	Kevin	Keller	000-000-0011	2017-10-03	TUE	15:00:00	23:00:00
ICU	Lenny	Landman	000-000-0012	2017-10-04	WED	15:00:00	23:00:00
ICU	Peter	Parker	000-000-0016	2017-10-07	SAT	19:00:00	07:00:00
ICU	Quinn	Quarrick	000-000-0017	2017-10-06	FRI	15:00:00	23:00:00
ICU	Robert	Rodgers	000-000-0018	2017-10-04	WED	07:00:00	15:00:00
ICU	Robert	Rodgers	000-000-0018	2017-10-07	SAT	19:00:00	07:00:00
MAT	Adam	Apple	000-000-0001	2017-10-03	TUE	15:00:00	23:00:00
MAT	Brad	Baker	000-000-0002	2017-10-04	WED	15:00:00	23:00:00

MAT	Evan	Elliott	000−000−0005	2017−10−01	SUN	07:00:00	19:00:00
MAT	Evan	Elliott	000−000−0005	2017−10−06	FRI	07:00:00	15:00:00
MAT	George	Grant	000−000−0007	2017−10−01	SUN	07:00:00	19:00:00
MAT	George	Grant	000−000−0007	2017−10−07	SAT	19:00:00	07:00:00
MAT	Ivan	Ikarov	000−000−0009	2017−10−02	MON	23:00:00	07:00:00
MAT	Lenny	Landman	000−000−0012	2017−10−05	THU	23:00:00	07:00:00
MAT	Nick	Norton	000−000−0014	2017−10−01	SUN	07:00:00	19:00:00
MAT	Orval	Obrian	000−000−0015	2017−10−02	MON	07:00:00	15:00:00
MAT	Orval	Obrian	000−000−0015	2017−10−05	THU	07:00:00	15:00:00
MAT	Peter	Parker	000−000−0016	2017−10−03	TUE	15:00:00	23:00:00
OR	Adam	Apple	000−000−0001	2017−10−07	SAT	19:00:00	07:00:00
OR	Brad	Baker	000−000−0002	2017−10−05	THU	23:00:00	07:00:00
OR	Charles	Chaplan	000−000−0003	2017−10−05	THU	23:00:00	07:00:00
OR	Derek	Davis	000−000−0004	2017−10−06	FRI	15:00:00	23:00:00
OR	Evan	Elliott	000−000−0005	2017−10−07	SAT	07:00:00	19:00:00
OR	Frank	Farris	000−000−0006	2017−10−04	WED	15:00:00	23:00:00
OR	Ivan	Ikarov	000−000−0009	2017−10−06	FRI	07:00:00	15:00:00
OR	Jack	Joplin	000−000−0010	2017−10−06	FRI	07:00:00	15:00:00
OR	Lenny	Landman	000−000−0012	2017−10−03	TUE	23:00:00	07:00:00
OR	Mark	Morris	000−000−0013	2017−10−05	THU	07:00:00	15:00:00
OR	Nick	Norton	000−000−0014	2017−10−05	THU	07:00:00	15:00:00
OR	Orval	Obrian	000−000−0015	2017−10−06	FRI	07:00:00	15:00:00
OR	Orval	Obrian	000−000−0015	2017−10−04	WED	15:00:00	23:00:00
OR	Peter	Parker	000−000−0016	2017−10−06	FRI	15:00:00	23:00:00
OR	Quinn	Quarrick	000−000−0017	2017−10−02	MON	15:00:00	23:00:00
OR	Quinn	Quarrick	000−000−0017	2017−10−01	SUN	19:00:00	07:00:00
OR	Sam	Saville	000−000−0019	2017−10−04	WED	15:00:00	23:00:00
OR	Tom	Tarantino	000−000−0020	2017−10−05	THU	23:00:00	07:00:00
PSYCH	Charles	Chaplan	000−000−0003	2017−10−04	WED	23:00:00	07:00:00
PSYCH	Derek	Davis	000−000−0004	2017−10−02	MON	23:00:00	07:00:00
PSYCH	Derek	Davis	000−000−0004	2017−10−04	WED	07:00:00	15:00:00
PSYCH	Evan	Elliott	000−000−0005	2017−10−03	TUE	23:00:00	07:00:00
PSYCH	Frank	Farris	000−000−0006	2017−10−01	SUN	07:00:00	19:00:00
PSYCH	Frank	Farris	000−000−0006	2017−10−07	SAT	19:00:00	07:00:00
PSYCH	George	Grant	000−000−0007	2017−10−06	FRI	23:00:00	07:00:00
PSYCH	Hank	Hamill	000−000−0008	2017−10−07	SAT	19:00:00	07:00:00
PSYCH	Ivan	Ikarov	000−000−0009	2017−10−03	TUE	07:00:00	15:00:00
PSYCH	Jack	Joplin	000−000−0010	2017−10−04	WED	23:00:00	07:00:00
PSYCH	Kevin	Keller	000−000−0011	2017−10−07	SAT	19:00:00	07:00:00
PSYCH	Lenny	Landman	000−000−0012	2017−10−02	MON	23:00:00	07:00:00
PSYCH	Lenny	Landman	000−000−0012	2017−10−01	SUN	07:00:00	19:00:00
PSYCH	Mark	Morris	000−000−0013	2017−10−06	FRI	07:00:00	15:00:00
PSYCH	Mark	Morris	000−000−0013	2017−10−03	TUE	07:00:00	15:00:00
PSYCH	Mark	Morris	000−000−0013	2017−10−02	MON	23:00:00	07:00:00
PSYCH	Mark	Morris	000−000−0013	2017−10−01	SUN	19:00:00	07:00:00
PSYCH	Sam	Saville	000−000−0019	2017−10−06	FRI	15:00:00	23:00:00
PSYCH	Sam	Saville	000−000−0019	2017−10−02	MON	15:00:00	23:00:00
PSYCH	Sam	Saville	000−000−0019	2017−10−05	THU	23:00:00	07:00:00
PSYCH	Tom	Tarantino	000−000−0020	2017−10−04	WED	15:00:00	23:00:00
QUARR	Brad	Baker	000−000−0002	2017−10−06	FRI	15:00:00	23:00:00
QUARR	Charles	Chaplan	000−000−0003	2017−10−07	SAT	07:00:00	19:00:00
QUARR	Charles	Chaplan	000−000−0003	2017−10−06	FRI	15:00:00	23:00:00
QUARR	Frank	Farris	000−000−0006	2017−10−05	THU	15:00:00	23:00:00
QUARR	Frank	Farris	000−000−0006	2017−10−02	MON	15:00:00	23:00:00
QUARR	George	Grant	000−000−0007	2017−10−05	THU	07:00:00	15:00:00
QUARR	Hank	Hamill	000−000−0008	2017−10−01	SUN	07:00:00	19:00:00
QUARR	Ivan	Ikarov	000−000−0009	2017−10−05	THU	07:00:00	15:00:00
QUARR	Ivan	Ikarov	000−000−0009	2017−10−04	WED	23:00:00	07:00:00
QUARR	Kevin	Keller	000−000−0011	2017−10−06	FRI	23:00:00	07:00:00
QUARR	Nick	Norton	000−000−0014	2017−10−07	SAT	19:00:00	07:00:00
QUARR	Orval	Obrian	000−000−0015	2017−10−03	TUE	23:00:00	07:00:00
QUARR	Peter	Parker	000−000−0016	2017−10−04	WED	23:00:00	07:00:00

QUARR	Quinn	Quarrick	000−000−0017	2017−10−04	WED	07:00:00	15:00:00
QUARR	Quinn	Quarrick	000−000−0017	2017−10−07	SAT	07:00:00	19:00:00
QUARR	Robert	Rodgers	000−000−0018	2017−10−03	TUE	15:00:00	23:00:00
QUARR	Tom	Tarantino	000−000−0020	2017−10−06	FRI	15:00:00	23:00:00

100 rows in set (0.00 sec)

Query 4

department	firstName	lastName	shiftDate	start	end	pay	status
ER	Jack	Joplin	2017−10−01	19:00:00	07:00:00	0	Call−off
ER	Peter	Parker	2017−10−01	19:00:00	07:00:00	936	Call−in
ER	Sam	Saville	2017−10−01	07:00:00	19:00:00	0	Call−off
ER	Tom	Tarantino	2017−10−01	07:00:00	19:00:00	486	Req−off
ICU	Adam	Apple	2017−10−01	19:00:00	07:00:00	405	Req−off
ICU	Brad	Baker	2017−10−01	07:00:00	19:00:00	0	Call−off
ICU	Charles	Chaplan	2017−10−01	07:00:00	19:00:00	0	Call−off
MAT	Evan	Elliott	2017−10−01	07:00:00	19:00:00	0	Call−off
MAT	George	Grant	2017−10−01	07:00:00	19:00:00	0	Call−off
MAT	Nick	Norton	2017−10−01	07:00:00	19:00:00	414	Req−in
OR	Quinn	Quarrick	2017−10−01	19:00:00	07:00:00	0	Call−off
PSYCH	Frank	Farris	2017−10−01	07:00:00	19:00:00	0	Call−off
PSYCH	Lenny	Landman	2017−10−01	07:00:00	19:00:00	306	Req−off
PSYCH	Mark	Morris	2017−10−01	19:00:00	07:00:00	768	Call−in
QUARR	Hank	Hamill	2017−10−01	07:00:00	19:00:00	378	Req−off
ER	Nick	Norton	2017−10−02	07:00:00	15:00:00	184	Req−off
ER	Robert	Rodgers	2017−10−02	23:00:00	07:00:00	204	Call−in
ICU	Adam	Apple	2017−10−02	23:00:00	07:00:00	180	Req−off
ICU	Evan	Elliott	2017−10−02	23:00:00	07:00:00	168	Req−in
ICU	Hank	Hamill	2017−10−02	23:00:00	07:00:00	0	Call−off
MAT	Ivan	Ikarov	2017−10−02	23:00:00	07:00:00	192	Req−in
MAT	Orval	Obrian	2017−10−02	07:00:00	15:00:00	240	Req−in
OR	Quinn	Quarrick	2017−10−02	15:00:00	23:00:00	120	Req−in
PSYCH	Derek	Davis	2017−10−02	23:00:00	07:00:00	480	Call−in
PSYCH	Lenny	Landman	2017−10−02	23:00:00	07:00:00	136	Req−in
PSYCH	Mark	Morris	2017−10−02	23:00:00	07:00:00	0	Call−off
PSYCH	Sam	Saville	2017−10−02	15:00:00	23:00:00	0	Call−off
QUARR	Frank	Farris	2017−10−02	15:00:00	23:00:00	256	Req−in
ER	Tom	Tarantino	2017−10−03	07:00:00	15:00:00	324	Call−in
ICU	Derek	Davis	2017−10−03	07:00:00	15:00:00	0	Call−off
ICU	Jack	Joplin	2017−10−03	07:00:00	15:00:00	252	Call−in
ICU	Kevin	Keller	2017−10−03	15:00:00	23:00:00	240	Call−in
MAT	Adam	Apple	2017−10−03	15:00:00	23:00:00	180	Req−off
MAT	Peter	Parker	2017−10−03	15:00:00	23:00:00	468	Call−in
OR	Lenny	Landman	2017−10−03	23:00:00	07:00:00	204	Call−in
PSYCH	Evan	Elliott	2017−10−03	23:00:00	07:00:00	168	Req−off
PSYCH	Ivan	Ikarov	2017−10−03	07:00:00	15:00:00	192	Req−off
PSYCH	Mark	Morris	2017−10−03	07:00:00	15:00:00	384	Call−in
QUARR	Orval	Obrian	2017−10−03	23:00:00	07:00:00	0	Call−off
QUARR	Robert	Rodgers	2017−10−03	15:00:00	23:00:00	136	Req−in
ER	Adam	Apple	2017−10−04	15:00:00	23:00:00	270	Call−in
ER	George	Grant	2017−10−04	23:00:00	07:00:00	0	Call−off
ER	Kevin	Keller	2017−10−04	07:00:00	15:00:00	160	Req−in
ICU	Lenny	Landman	2017−10−04	15:00:00	23:00:00	136	Req−off
ICU	Robert	Rodgers	2017−10−04	07:00:00	15:00:00	0	Call−off
MAT	Brad	Baker	2017−10−04	15:00:00	23:00:00	120	Req−off
OR	Frank	Farris	2017−10−04	15:00:00	23:00:00	0	Call−off
OR	Orval	Obrian	2017−10−04	15:00:00	23:00:00	0	Call−off
OR	Sam	Saville	2017−10−04	15:00:00	23:00:00	304	Req−off
PSYCH	Charles	Chaplan	2017−10−04	23:00:00	07:00:00	296	Req−off

PSYCH	Derek	Davis	2017−10−04	07:00:00	15:00:00	320	Req−off
PSYCH	Jack	Joplin	2017−10−04	23:00:00	07:00:00	168	Req−off
PSYCH	Tom	Tarantino	2017−10−04	15:00:00	23:00:00	216	Req−in
QUARR	Ivan	Ikarov	2017−10−04	23:00:00	07:00:00	192	Req−off
QUARR	Peter	Parker	2017−10−04	23:00:00	07:00:00	312	Req−off
QUARR	Quinn	Quarrick	2017−10−04	07:00:00	15:00:00	0	Call−off
ER	Derek	Davis	2017−10−05	07:00:00	15:00:00	480	Call−in
ER	Kevin	Keller	2017−10−05	15:00:00	23:00:00	160	Req−in
ER	Robert	Rodgers	2017−10−05	15:00:00	23:00:00	136	Req−in
ICU	Hank	Hamill	2017−10−05	15:00:00	23:00:00	0	Call−off
ICU	Jack	Joplin	2017−10−05	15:00:00	23:00:00	0	Call−off
MAT	Lenny	Landman	2017−10−05	23:00:00	07:00:00	136	Req−off
MAT	Orval	Obrian	2017−10−05	07:00:00	15:00:00	240	Req−off
OR	Brad	Baker	2017−10−05	23:00:00	07:00:00	120	Req−off
OR	Charles	Chaplan	2017−10−05	23:00:00	07:00:00	0	Call−off
OR	Mark	Morris	2017−10−05	07:00:00	15:00:00	384	Call−in
OR	Nick	Norton	2017−10−05	07:00:00	15:00:00	0	Call−off
OR	Tom	Tarantino	2017−10−05	23:00:00	07:00:00	0	Call−off
PSYCH	Sam	Saville	2017−10−05	23:00:00	07:00:00	456	Call−in
QUARR	Frank	Farris	2017−10−05	15:00:00	23:00:00	384	Call−in
QUARR	George	Grant	2017−10−05	07:00:00	15:00:00	152	Req−off
QUARR	Ivan	Ikarov	2017−10−05	07:00:00	15:00:00	192	Req−off
ER	Nick	Norton	2017−10−06	15:00:00	23:00:00	276	Call−in
ICU	Hank	Hamill	2017−10−06	15:00:00	23:00:00	0	Call−off
ICU	Quinn	Quarrick	2017−10−06	15:00:00	23:00:00	120	Req−in
MAT	Evan	Elliott	2017−10−06	07:00:00	15:00:00	168	Req−in
OR	Derek	Davis	2017−10−06	15:00:00	23:00:00	320	Req−in
OR	Ivan	Ikarov	2017−10−06	07:00:00	15:00:00	0	Call−off
OR	Jack	Joplin	2017−10−06	07:00:00	15:00:00	168	Req−off
OR	Orval	Obrian	2017−10−06	07:00:00	15:00:00	360	Call−in
OR	Peter	Parker	2017−10−06	15:00:00	23:00:00	0	Call−off
PSYCH	George	Grant	2017−10−06	23:00:00	07:00:00	228	Call−in
PSYCH	Mark	Morris	2017−10−06	07:00:00	15:00:00	384	Call−in
PSYCH	Sam	Saville	2017−10−06	15:00:00	23:00:00	304	Req−off
QUARR	Brad	Baker	2017−10−06	15:00:00	23:00:00	0	Call−off
QUARR	Charles	Chaplan	2017−10−06	15:00:00	23:00:00	296	Req−in
QUARR	Kevin	Keller	2017−10−06	23:00:00	07:00:00	240	Call−in
QUARR	Tom	Tarantino	2017−10−06	15:00:00	23:00:00	324	Call−in
ICU	Brad	Baker	2017−10−07	19:00:00	07:00:00	360	Call−in
ICU	Peter	Parker	2017−10−07	19:00:00	07:00:00	0	Call−off
ICU	Robert	Rodgers	2017−10−07	19:00:00	07:00:00	306	Req−off
MAT	George	Grant	2017−10−07	19:00:00	07:00:00	342	Req−in
OR	Adam	Apple	2017−10−07	19:00:00	07:00:00	540	Call−in
OR	Evan	Elliott	2017−10−07	07:00:00	19:00:00	378	Req−off
PSYCH	Frank	Farris	2017−10−07	19:00:00	07:00:00	576	Req−in
PSYCH	Hank	Hamill	2017−10−07	19:00:00	07:00:00	504	Call−in
PSYCH	Kevin	Keller	2017−10−07	19:00:00	07:00:00	480	Call−in
QUARR	Charles	Chaplan	2017−10−07	07:00:00	19:00:00	666	Req−off
QUARR	Nick	Norton	2017−10−07	19:00:00	07:00:00	552	Call−in
QUARR	Quinn	Quarrick	2017−10−07	07:00:00	19:00:00	0	Call−off
ER	Brad	Baker	2017−10−08	19:00:00	07:00:00	270	Req−off
ER	Sam	Saville	2017−10−08	19:00:00	07:00:00	0	Call−off
ICU	Evan	Elliott	2017−10−08	07:00:00	19:00:00	504	Call−in
ICU	Robert	Rodgers	2017−10−08	19:00:00	07:00:00	306	Req−in
ICU	Tom	Tarantino	2017−10−08	19:00:00	07:00:00	0	Call−off
MAT	Adam	Apple	2017−10−08	07:00:00	19:00:00	405	Req−off
MAT	George	Grant	2017−10−08	19:00:00	07:00:00	342	Req−off
MAT	Kevin	Keller	2017−10−08	19:00:00	07:00:00	480	Call−in
MAT	Mark	Morris	2017−10−08	19:00:00	07:00:00	576	Req−off
PSYCH	Ivan	Ikarov	2017−10−08	19:00:00	07:00:00	0	Call−off
PSYCH	Peter	Parker	2017−10−08	07:00:00	19:00:00	702	Req−off
PSYCH	Quinn	Quarrick	2017−10−08	19:00:00	07:00:00	0	Call−off

QUARR	Nick	Norton	2017−10−08	07:00:00	19:00:00	0	Call−off
ER	Hank	Hamill	2017−10−09	07:00:00	15:00:00	168	Req−in
ICU	Quinn	Quarrick	2017−10−09	15:00:00	23:00:00	120	Req−in
ICU	Sam	Saville	2017−10−09	23:00:00	07:00:00	304	Req−in
MAT	Jack	Joplin	2017−10−09	15:00:00	23:00:00	252	Call−in
MAT	Mark	Morris	2017−10−09	23:00:00	07:00:00	256	Req−in
MAT	Nick	Norton	2017−10−09	07:00:00	15:00:00	184	Req−off
MAT	Robert	Rodgers	2017−10−09	15:00:00	23:00:00	136	Req−off
OR	Derek	Davis	2017−10−09	07:00:00	15:00:00	320	Req−off
OR	Evan	Elliott	2017−10−09	15:00:00	23:00:00	168	Req−in
OR	Kevin	Keller	2017−10−09	07:00:00	15:00:00	0	Call−off
PSYCH	Brad	Baker	2017−10−09	15:00:00	23:00:00	120	Req−off
PSYCH	Peter	Parker	2017−10−09	23:00:00	07:00:00	312	Req−off
QUARR	Charles	Chaplan	2017−10−09	15:00:00	23:00:00	444	Call−in
QUARR	Frank	Farris	2017−10−09	23:00:00	07:00:00	256	Req−off
QUARR	Orval	Obrian	2017−10−09	23:00:00	07:00:00	360	Call−in
ER	Brad	Baker	2017−10−10	23:00:00	07:00:00	120	Req−in
ER	Hank	Hamill	2017−10−10	07:00:00	15:00:00	252	Call−in
ER	Mark	Morris	2017−10−10	23:00:00	07:00:00	256	Req−in
ICU	Adam	Apple	2017−10−10	07:00:00	15:00:00	180	Req−in
ICU	Sam	Saville	2017−10−10	15:00:00	23:00:00	304	Req−off
MAT	Charles	Chaplan	2017−10−10	23:00:00	07:00:00	296	Req−off
MAT	Derek	Davis	2017−10−10	23:00:00	07:00:00	320	Req−in
MAT	Quinn	Quarrick	2017−10−10	23:00:00	07:00:00	180	Call−in
OR	Evan	Elliott	2017−10−10	23:00:00	07:00:00	0	Call−off
OR	Jack	Joplin	2017−10−10	15:00:00	23:00:00	168	Req−off
PSYCH	Lenny	Landman	2017−10−10	15:00:00	23:00:00	136	Req−off
PSYCH	Peter	Parker	2017−10−10	07:00:00	15:00:00	468	Call−in
QUARR	Frank	Farris	2017−10−10	15:00:00	23:00:00	256	Req−off
QUARR	George	Grant	2017−10−10	15:00:00	23:00:00	152	Req−off
QUARR	Kevin	Keller	2017−10−10	07:00:00	15:00:00	240	Call−in

143 rows in set (0.01 sec)

Query 5

mysql> SHOW tables;

Tables_in_cmpsc431
address
certification
department
department_need
employee
role
shift
shift_status
shift_time
week
weekday

11 rows in set (0.00 sec)

mysql> DESCRIBE address;

Field	Type	Null	Key	Default	Extra
address_ID	int(11)	NO	PRI	NULL	auto_increment
emp_ID	int(11)	YES	MUL	NULL	
street1	char(50)	YES		NULL	
street2	char(50)	YES		NULL	

city	char(50)	YES		NULL		
state	char(50)	YES		NULL		
zip	char(50)	YES		NULL		
+-------+----------+-----+-----+------+-----+-----+

7 rows in set (0.00 sec)

mysql> DESCRIBE certification;

Field	Type	Null	Key	Default	Extra
cert_ID	int(11)	NO	PRI	NULL	auto_increment
emp_ID	int(11)	YES	UNI	NULL	
role_ID	int(11)	YES	MUL	NULL	

3 rows in set (0.00 sec)

mysql> DESCRIBE department;

Field	Type	Null	Key	Default	Extra
dept_ID	int(11)	NO	PRI	NULL	auto_increment
min_staff	int(11)	NO		0	
max_staff	int(11)	NO		100	
beds	int(11)	NO		0	
dept_name	char(50)	NO		NULL	

5 rows in set (0.00 sec)

mysql> DESCRIBE department_need;

Field	Type	Null	Key	Default	Extra
need_ID	int(11)	NO	PRI	NULL	auto_increment
week_ID	int(11)	YES	MUL	NULL	
day_ID	int(11)	YES	MUL	NULL	
time_ID	int(11)	YES	MUL	NULL	
dept_ID	int(11)	YES	MUL	NULL	
role_ID	int(11)	YES	MUL	NULL	
need	int(11)	YES		NULL	

7 rows in set (0.00 sec)

mysql> DESCRIBE employee;

Field	Type	Null	Key	Default	Extra
emp_ID	int(11)	NO	PRI	NULL	auto_increment
home_dept	int(11)	YES	MUL	NULL	
fname	char(50)	NO		NULL	
mname	char(50)	YES		NULL	
lname	char(50)	YES		NULL	
ssn	char(12)	YES		NULL	
phone1	char(13)	YES		NULL	
phone2	char(13)	YES		NULL	
start_date	datetime	NO		CURRENT_TIMESTAMP	
end_date	date	YES		NULL	
full_time	tinyint(1)	NO		0	
salaried	tinyint(1)	NO		0	
pay_rate	double	NO		0	

13 rows in set (0.00 sec)

```
mysql> DESCRIBE role;
+---------+----------+------+-----+---------+----------------+
| Field   | Type     | Null | Key | Default | Extra          |
+---------+----------+------+-----+---------+----------------+
| role_ID | int(11)  | NO   | PRI | NULL    | auto_increment |
| role    | char(50) | NO   |     | NULL    |                |
+---------+----------+------+-----+---------+----------------+
2 rows in set (0.00 sec)

mysql> DESCRIBE shift;
+--------------+---------+------+-----+---------+----------------+
| Field        | Type    | Null | Key | Default | Extra          |
+--------------+---------+------+-----+---------+----------------+
| shift_ID     | int(11) | NO   | PRI | NULL    | auto_increment |
| emp_ID       | int(11) | NO   | MUL | NULL    |                |
| dept_ID      | int(11) | NO   | MUL | NULL    |                |
| time_ID      | int(11) | NO   | MUL | NULL    |                |
| week_ID      | int(11) | NO   | MUL | NULL    |                |
| day_ID       | int(11) | NO   | MUL | NULL    |                |
| status_ID    | int(11) | YES  | MUL | NULL    |                |
| pay_modifier | double  | YES  |     | NULL    |                |
+--------------+---------+------+-----+---------+----------------+
8 rows in set (0.00 sec)

mysql> DESCRIBE shift_status;
+-----------+----------+------+-----+---------+----------------+
| Field     | Type     | Null | Key | Default | Extra          |
+-----------+----------+------+-----+---------+----------------+
| status_ID | int(11)  | NO   | PRI | NULL    | auto_increment |
| status    | char(50) | YES  |     | NULL    |                |
+-----------+----------+------+-----+---------+----------------+
2 rows in set (0.00 sec)

mysql> DESCRIBE shift_time;
+--------------+---------+------+-----+---------+----------------+
| Field        | Type    | Null | Key | Default | Extra          |
+--------------+---------+------+-----+---------+----------------+
| time_ID      | int(11) | NO   | PRI | NULL    | auto_increment |
| shift_start  | time    | NO   |     | NULL    |                |
| shift_end    | time    | NO   |     | NULL    |                |
| shift_length | int(11) | YES  |     | NULL    |                |
+--------------+---------+------+-----+---------+----------------+
4 rows in set (0.00 sec)

mysql> DESCRIBE week;
+------------+---------+------+-----+---------+----------------+
| Field      | Type    | Null | Key | Default | Extra          |
+------------+---------+------+-----+---------+----------------+
| week_ID    | int(11) | NO   | PRI | NULL    | auto_increment |
| start_date | date    | NO   |     | NULL    |                |
| end_date   | date    | NO   |     | NULL    |                |
+------------+---------+------+-----+---------+----------------+
3 rows in set (0.00 sec)

mysql> DESCRIBE weekday;
+----------+----------+------+-----+---------+----------------+
| Field    | Type     | Null | Key | Default | Extra          |
+----------+----------+------+-----+---------+----------------+
| day_ID   | int(11)  | NO   | PRI | NULL    | auto_increment |
| day_name | char(10) | YES  |     | NULL    |                |
+----------+----------+------+-----+---------+----------------+
2 rows in set (0.00 sec)
```

DEPARTMENT NEED

Key	Attribute	Type
PK	Need ID	
FK	Role ID	
FK	Department ID	
FK	Week ID	
FK	Day ID	
FK	Time ID	
	Need	INT

WEEK

Key	Attribute	Type
PK	WID	
	Start Date	TIME
	End Date	TIME

WEEKDAY

Key	Attribute	Type
PK	Day ID	
	Day Name	CHAR

SHIFT TIME

Key	Attribute	Type
PK	Time ID	
	Shift Start	TIME
	Shift End	TIME
	Shift Length	INT

SHIFT STATUS

Key	Attribute	Type
PK	Status ID	
	Status	CHAR

SHIFT

Key	Attribute	Type
PK	SID	
FK	Employee ID	
FK	Week ID	
FK	Day ID	
FK	Shift Time ID	
FK	Department ID	
FK	Status ID	
	Pay Multiplier	DBL

DEPARTMENT

Key	Attribute	Type
PK	DID	
	Min Staff	INT
	Max Staff	INT
	Beds	INT
	Department Name	CHAR

ROLE

Key	Attribute	Type
PK	RID	
	Role	CHAR

EMPLOYEE

Key	Attribute	Type
PK	EID	
FK	Home Dept (DID)	
	[50] First Name	CHAR
	[50] Middle Name	CHAR
	[50] Last Name	CHAR
	[12] SSN	CHAR
	[13] Primary Phone	CHAR
	[13] Secondary Phone	CHAR
	Start Date	TIME
	Left Date	TIME
	Full or Part Time	BOOL
	Salary or Hourly	BOOL
	Pay Rate	DBL

CERTIFICATION

Key	Attribute	Type
PK	CID	
FK	RID	
FK	EID	

ADDRESS

Key	Attribute	Type
PK	AID	
FK	EID	
	[50] Address 1	CHAR
	[50] Address 2	CHAR
	[50] City	CHAR
	[50] State/Province	CHAR
	[50] Zip	CHAR