From: Kyle Salitrik | UserID: kps168 | PSU ID: 997543474

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',
                                                            AS 'day'.
  weekday.day_name
  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 \leq 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',
                                                                       AS 'role',
  role.role
                                                                       AS 'needs
  department need.need
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
                                                            AS 'department',
  department.dept_name
```

```
employee.fname
                                                             AS 'firstName',
                                                             AS 'lastName',
  employee.lname
  employee.phone1
                                                             AS 'phoneNumber',
  DATE_ADD(week.start_date, INTERVAL shift.day_ID - 1 DAY) AS 'shiftDate',
                                                            AS 'day',
  weekday.day name
  shift\_time.shift\_start
                                                             AS 'start',
                                                             AS 'end'
  shift time.shift 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',
                                                                     AS 'firstName',
  employee.fname
                                                                     AS 'lastName',
  employee.lname
  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 week;
```

Query Results

1 1		1	ı	ı	1 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 i
2017-10-12	THU	15:00:00	23:00:00	OR	NP i
2017-10-16	MON	15:00:00	23:00:00	PSYCH	NP i
2017-10-15	SUN	07:00:00	19:00:00	ICU	NP i
2017-10-18	WED	15:00:00	23:00:00	OR	NP i
2017-10-17	TUE	07:00:00	15:00:00	OR	NP i
2017-10-20	FRI	23:00:00	07:00:00	MAT	NP i
2017-10-22	SUN	07:00:00	19:00:00	PSYCH	NP i
2017-10-23	MON	23:00:00	07:00:00	PSYCH	NP i
2017-10-27	FRI	15:00:00	23:00:00	ER	NP i
2017-10-28	SAT	19:00:00	07:00:00	OR	NP i
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 i
2017-10-29	SUN	19:00:00	07:00:00	OR	NP i
2017-10-30	MON	15:00:00	23:00:00	QUARR	NP i
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 - 23 $2017 - 10 - 22$	SUN	07:00:00	19:00:00	OR	LPN
2017-10-28	SAT	19:00:00	07:00:00	ICU	LPN
2017-10-28	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 - 07 $2017 - 10 - 12$	THU	07:00:00	15:00:00	MAT	NA
2017-10-12	FRI	23:00:00	07:00:00	OR	NA
2017-10-13	TUE	23:00:00	07:00:00	OK MAT	NA NA
				MAT MAT	NA NA
2017 - 10 - 11	WED	07:00:00	15:00:00	1	
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 - 02 $2017 - 11 - 03$	FRI	15:00:00	23:00:00	QUARR	NA
2017 - 11 - 07	TUE	23:00:00	07:00:00	PSYCH	NA
2017 - 11 - 07 $2017 - 11 - 05$	SUN	07:00:00	19:00:00	PSYCH	NA
2017-11-05	•	07:00:00	19:00:00	PSYCH	NA NA
	WED			1	
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
2017 - 10 - 09	MON	07:00:00	15:00:00	OR	RN
2017 - 10 - 11	WED	15:00:00	23:00:00	PSYCH	RN
2017 - 10 - 12	THU	23:00:00	07:00:00	PSYCH	RN
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
			07:00:00	MAT	RN
2017 - 10 - 20	FRI	23:00:00			

2017-10-16	MON	23:00:00	07:00:00	PSYCH	RN
017 - 10 - 24	TUE	07:00:00	15:00:00	MAT	RN
017 - 10 - 28	SAT	07:00:00	19:00:00	OR	RN
017 - 10 - 25	WED	23:00:00	07:00:00	OR	RN
017 - 10 - 22	SUN	07:00:00	19:00:00	PSYCH	RN
017 - 10 - 26	THU	07:00:00	15:00:00	QUARR	RN
017-10-30	MON	15:00:00	23:00:00	ICU	RN
017 - 11 - 04	SAT	19:00:00	07:00:00	PSYCH	RN
017 - 10 - 31	TUE	23:00:00	07:00:00	MAT	RN
017 - 11 - 01	WED	07:00:00	15:00:00	MAT	RN
017 - 10 - 29	SUN	19:00:00	07:00:00	QUARR	RN
017 - 11 - 11	SAT	19:00:00	07:00:00	QUARR	RN
017 - 11 - 07	TUE	07:00:00	15:00:00	ICU	RN
017 - 11 - 05	SUN	19:00:00	07:00:00	OR	RN
017 - 11 - 10	FRI	23:00:00	07:00:00	MAT	RN
017 - 11 - 06	MON	07:00:00	15:00:00	PSYCH	RN
017 - 10 - 07	SAT	07:00:00	19:00:00	OR	RN
017 - 10 - 01	SUN	07:00:00	19:00:00	MAT	RN
017 - 10 - 06	FRI	07:00:00	15:00:00	MAT	RN
017 - 10 - 03	TUE	23:00:00	$07\!:\!00\!:\!00$	PSYCH	RN
017 - 10 - 02	MON	23:00:00	07:00:00	ICU	RN
017 - 10 - 12	THU	07:00:00	15:00:00	ICU	RN
017 - 10 - 14	SAT	07:00:00	19:00:00	PSYCH	RN
017 - 10 - 09	MON	15:00:00	23:00:00	OR	RN
017 - 10 - 08	SUN	07:00:00	19:00:00	ICU	RN
017 - 10 - 10	TUE	23:00:00	07:00:00	OR	RN
017 - 10 - 20	FRI	23:00:00	07:00:00	ER	RN
017 - 10 - 21	SAT	07:00:00	19:00:00	QUARR	RN
017 - 10 - 19	THU	23:00:00	07:00:00	QUARR	RN
017 - 10 - 16	MON	15:00:00	23:00:00	MAT	RN
017 - 10 - 17	TUE	07:00:00	15:00:00	ER	RN
017 - 10 - 26	THU	07:00:00	15:00:00	MAT	RN
017 - 10 - 27	FRI	07:00:00	15:00:00	QUARR	RN
017 - 10 - 24	TUE	15:00:00	23:00:00	OR	RN
017 - 10 - 23	MON	23:00:00	07:00:00	QUARR	RN
017 - 10 - 25	WED	15:00:00	23:00:00	PSYCH	RN
017 - 11 - 01	•		15:00:00		RN
017 - 10 - 29	SUN	07:00:00	19:00:00	ICU	RN
017 - 10 - 31	TUE	23:00:00	07:00:00	ER	RN
017 - 11 - 02	THU	15:00:00	23:00:00	QUARR	RN
017 - 11 - 03	FRI	23:00:00	07:00:00	QUARR	RN
017 - 11 - 11	SAT	07:00:00	19:00:00	PSYCH	RN
017 - 11 - 07	TUE	23:00:00	07:00:00	ICU	RN
017 - 11 - 08	WED	15:00:00	23:00:00	OR	RN
017 - 11 - 09	THU	23:00:00	07:00:00	OR	RN
017 - 11 - 06	MON	23:00:00	07:00:00	MAT	RN
017 - 10 - 01	SUN	07:00:00	19:00:00	PSYCH	CNS
017 - 10 - 05	THU	15:00:00	23:00:00	QUARR	CNS
017 - 10 - 07	SAT	19:00:00	07:00:00	PSYCH	CNS
017 - 10 - 04	WED	15:00:00	23:00:00	OR	CNS
017 - 10 - 02	MON	15:00:00	23:00:00	QUARR	CNS
017 - 10 - 09	MON	23:00:00	07:00:00	QUARR	CNS
017 - 10 - 11	WED	23:00:00	07:00:00	ICU	CNS
017 - 10 - 14	SAT	19:00:00	07:00:00	MAT	CNS
017 - 10 - 10	TUE	15:00:00	23:00:00	QUARR	CNS
017 - 10 - 12	THU	15:00:00	23:00:00	ER	CNS
017 - 10 - 20	FRI	23:00:00	07:00:00	OR	CNS
017 - 10 - 16	MON	23:00:00	07:00:00	QUARR	CNS
017 - 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
2017 - 10 - 26	THU	07:00:00	15:00:00	PSYCH	CNS
2017 - 11 - 02	THU	07:00:00	15:00:00	ICU	CNS
2017 - 11 - 04	SAT	19:00:00	07:00:00	MAT	CNS
2017 - 10 - 29	SUN	19:00:00	07:00:00	PSYCH	CNS
2017 - 11 - 03	FRI	15:00:00	23:00:00	QUARR	CNS
2017 - 10 - 30	MON	15:00:00	23:00:00	ICU	CNS
2017 - 11 - 10	FRI	07:00:00	15:00:00	MAT	CNS
2017 - 11 - 11	SAT	07:00:00	19:00:00	OR	CNS
2017 - 11 - 09	THU	15:00:00	23:00:00	QUARR	CNS
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
2017-10-10	SUN	19:00:00	07:00:00	MAT	NA
2017-10-08	SAT	07:00:00	19:00:00	QUARR	NA
2017-10-14	SAI FRI	23:00:00	19:00:00	QUARK ICU	NA NA
	'			ICU ICU	
2017-10-11	WED	15:00:00	23:00:00	ER	NA NA
2017-10-19	THU	15:00:00	23:00:00	l .	
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	•		15:00:00	•	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
2017-10-17	SAT	19:00:00	07:00:00	ICU	RN
2017-10-21	THU	07:00:00	15:00:00	PSYCH	RN
2017-10-19	THO WED	23:00:00	15:00:00	QUARR	RN
2017-10-18	WED SUN	19:00:00	07:00:00	QUARR QUARR	
2017 - 10 - 15 $2017 - 10 - 25$	•	19:00:00	07:00:00		RN
	WED		!	QUARR	RN
2017-10-28 $2017-10-23$	SAT MON	19:00:00 15:00:00	$oxed{07:00:00}{23:00:00}$	QUARR ICU	RN RN
			. / 3 * [] [] * [] []	T. H. J. I.	I KIN

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 QUARR	NA
2017-10-13	FRI	23:00:00	07:00:00	GOARR ICU	NA NA
2017-10-14 $2017-10-08$	SAT	19:00:00 19:00:00	07:00:00 07:00:00	PSYCH	NA
2017-10-08	SUN	19:00:00	07:00:00	OR	NA
2017 - 10 - 12 $2017 - 10 - 20$	THU FRI	23:00:00	15:00:00	OK PSYCH	NA
2017-10-20	FRI SUN	19:00:00	13:00:00	MAT	NA
2017-10-13	THU	23:00:00	07:00:00	OR	NA
2017-10-19	TUE	23:00:00	07:00:00	OR QUARR	NA
2017 - 10 - 21	SAT	07:00:00	19:00:00	ER	NA
2017 - 10 - 21 $2017 - 10 - 22$	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		07:00:00		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 $2017-10-26$	MON THU	07:00:00 07:00:00	$ig \ 15:00:00 \ ig \ 15:00:00$	ER	LPN
		1 117 • 1111 • (1) (1)	. 15.00.00	ER	LPN

$\begin{bmatrix} 0.017 - 11 - 02 & 1 & 1 \\ 0.017 - 10 - 31 & 1 & 1 \\ 0.017 - 11 - 03 & 1 & 1 \\ 0.017 - 10 - 30 & 1 & 1 \\ 0.017 - 11 - 11 & 1 & 1 \end{bmatrix}$	SAT THU TUE	19:00:00 15:00:00	07:00:00 23:00:00	ER QUARR	LPN LPN
$\begin{bmatrix} 0017 - 10 - 31 & & 0\\ 0017 - 11 - 03 & & 0\\ 0017 - 10 - 30 & & 0\\ 0017 - 11 - 11 & & 0\\ 017 - 11 - 11 $	TUE		_ 23·00·00	() A D D	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					
$17-10-30 \mid 17-11-11 \mid 37-11-11 $		23:00:00	07:00:00	QUARR	LPN
17-11-11	FRI	07:00:00	15:00:00	PSYCH PSYCH	LPN
'	MON SAT	07:00:00 19:00:00	15:00:00 07:00:00	QUARR	LPN LPN
	TUE	07:00:00	15:00:00	ER	LPN LPN
	SUN	19:00:00	07:00:00	ICU	LPN
	MON	07:00:00	15:00:00	QUARR	LPN
	WED	23:00:00	07:00:00	QUARR	LPN
	TUE	15:00:00	23:00:00	ICU	CNS
	THU	15:00:00	23:00:00	ER	CNS
	WED	07:00:00	15:00:00	ER	CNS
'	SAT	19:00:00	07:00:00	PSYCH	CNS
	FRI	23:00:00	07:00:00	QUARR	CNS
	TUE	07:00:00	15:00:00	QUARR	CNS
	SAT	19:00:00	07:00:00	ICU	CNS
	MON	07:00:00	15:00:00	OR	CNS
	SUN	19:00:00	07:00:00	MAT	CNS
	FRI	23:00:00	07:00:00	MAT	CNS
	TUE	07:00:00	15:00:00	QUARR	CNS
	WED	23:00:00	07:00:00	QUARR	CNS
	MON	15:00:00	23:00:00	PSYCH	CNS
	SAT	19:00:00	07:00:00	ER	CNS
	FRI	23:00:00	07:00:00	PSYCH	CNS
017-10-26 '	THU	07:00:00	15:00:00	OR	CNS
017-10-22	SUN	19:00:00	07:00:00	ER	CNS
17-10-28	SAT	19:00:00	07:00:00	OR	CNS
$17-10-25 \mid $	WED	15:00:00	23:00:00	MAT	CNS
	FRI	23:00:00	07:00:00	PSYCH	CNS
	FRI	07:00:00	15:00:00	ICU	CNS
	SUN	19:00:00	07:00:00	ER	CNS
	TUE	07:00:00	15:00:00	ICU	CNS
	THU	23:00:00	07:00:00	QUARR	CNS
	MON	23:00:00	07:00:00	ER	CNS
	SUN	19:00:00	07:00:00	MAT	CNS
017-11-08		15:00:00			CNS
	THU	07:00:00	15:00:00	PSYCH	CNS
	MON	23:00:00	07:00:00	ER	CNS
'	SAT	19:00:00	07:00:00	ER	CNS
	TUE	23:00:00	07:00:00	OR	NP
	MON	23:00:00 23:00:00	07:00:00	PSYCH MAT	NP
	THU		07:00:00	MAT PSYCH	NP NP
'	SUN WED	07:00:00 15:00:00	19:00:00 23:00:00	ICU	NP NP
	THU	23:00:00	07:00:00	QUARR	NP NP
	TUE	15:00:00	23:00:00	PSYCH	NP
	FRI	15:00:00	23:00:00	QUARR	NP
	WED	07:00:00	15:00:00	ICU	NP
	SAT	19:00:00	07:00:00	PSYCH	NF
	WED	15:00:00	23:00:00	OR	NP
	SAT	19:00:00	07:00:00	QUARR	NP
	MON	07:00:00	15:00:00	OR	NP
	TUE	15:00:00	23:00:00	ER	NP
	SUN	19:00:00	07:00:00	PSYCH	NP
	WED	23:00:00	07:00:00	OR	NP
	MON	15:00:00	23:00:00	MAT	NP
	THU	07:00:00	15:00:00	ER	NP
	SUN	19:00:00	07:00:00	ER	NP
'	SAT	19:00:00	07:00:00	MAT	NP
	SAT	19:00:00	07:00:00	ER	NP
	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
	'			OK PSYCH	
2017-10-02	MON	23:00:00	07:00:00	1	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 - 10 - 23 $2017 - 11 - 02$	THU	07:00:00	15:00:00	PSYCH	CNS
2017 - 11 - 02 $2017 - 11 - 04$	SAT	19:00:00	07:00:00	ICU	CNS
2017-11-04	TUE	15:00:00	23:00:00	PSYCH	CNS
	'	19:00:00		MAT	CNS
2017-10-29	SUN	1	07:00:00	1	
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	•		07:00:00		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 - 00 $2017 - 10 - 21$	SAT	07:00:00	19:00:00	ER	LPN
2017-10-21	MON	15:00:00	23:00:00	ICU	LI N LPN
2017-10-10	MON TUE		23:00:00	1	
	'	23:00:00		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
	SAT	19:00:00	07:00:00	ER	LPN

2017 10 20	I MONT	1 07.00.00	15.00.00	L MATE	IDM
2017-10-30 $2017-11-06$	MON MON	$ \begin{array}{ccc} 07:00:00 & \\ 15:00:00 & \end{array}$	15:00:00 $23:00:00$	MAT OR	LPN LPN
2017-11-00	SAT	19:00:00	07:00:00	OK PSYCH	LPN
2017-11-11	FRI	15.00.00	23:00:00	QUARR	LPN
2017 11 10 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
017-10-22	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 $2017 - 11 - 04$	WED SAT	15:00:00 19:00:00	23:00:00	QUARR ICU	CNS CNS
2017-11-04	SA1 FRI	07:00:00	$07:00:00 \\ 15:00:00$	QUARR	CNS
017 - 11 - 03 $017 - 11 - 02$	THU	15:00:00	23:00:00	ER	CNS
017 - 10 - 30	MON	07:00:00	15:00:00	PSYCH	CNS
2017 - 10 - 30 $2017 - 10 - 29$	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 MON	15:00:00	23:00:00	ICU	RN
2017 - 10 - 16	MON WED	07:00:00	15:00:00	OR	RN
2017 - 10 - 18 2017 - 10 - 23	WED MON	$ \begin{array}{ccc} 07:00:00 & \\ 15:00:00 & \end{array}$	15:00:00 $23:00:00$	ER ER	RN RN
2017 - 10 - 25 $2017 - 10 - 25$	MON WED	13:00:00	07:00:00	ER ER	RN
2017 - 10 - 25 $2017 - 10 - 28$	SAT	19:00:00	07:00:00	EA QUARR	RN
017 - 10 - 23 $017 - 10 - 27$	FRI	15.00.00	23:00:00	QUARR	RN
2017 - 10 - 27 2017 - 10 - 26	THU	07:00:00	15:00:00	QUARR	RN
2017 - 10 - 20 $2017 - 10 - 31$	TUE	07:00:00	15:00:00	OR	RN
2017 - 10 - 01 $2017 - 11 - 03$	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
	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 $2017-10-09$	SUN	19:00:00	07:00:00	PSYCH	CNS
	MON	15:00:00	23:00:00	ICU	CNS
2017 - 10 - 12	THU	07:00:00	15:00:00	PSYCH	CNS CNS
2017 - 10 - 11 $2017 - 10 - 10$	WED TUE	$egin{array}{c c} 23:00:00 & \ 23:00:00 & \ \end{array}$	$07:00:00 \\ 07:00:00$	PSYCH MAT	CNS
2017-10-10 $2017-10-20$	FRI	23:00:00 07:00:00	15:00:00	PSYCH	CNS
2017 - 10 - 20 $2017 - 10 - 17$	TUE	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	07:00:00	ICU	CNS
2017 - 10 - 17 $2017 - 10 - 21$	SAT	23:00:00 07:00:00	19:00:00	MAT	CNS
017 - 10 - 21 $017 - 10 - 18$	WED	07.00.00 07:00:00	15:00:00	QUARR	CNS
017 - 10 - 16	MON	$\begin{vmatrix} 23:00:00 \end{vmatrix}$	07:00:00	ER	CNS
017 - 10 - 10	SUN	19:00:00	07:00:00	QUARR	CNS
2017 - 10 - 24	TUE	$\begin{vmatrix} 13.00.00 \\ 23:00:00 \end{vmatrix}$	07:00:00	QUARR	CNS
017 - 10 - 24 $017 - 10 - 26$	THU	$\begin{vmatrix} 23.00.00 \\ 23:00:00 \end{vmatrix}$	07:00:00	ER	CNS
2017 - 10 - 28	SAT	19:00:00	07:00:00	ER	CNS
2017 - 10 - 23	MON	$\begin{vmatrix} 23:00:00 \\ 23:00:00 \end{vmatrix}$	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
017 - 11 - 03	FRI	15:00:00	23:00:00	ER	CNS
017 - 10 - 31	TUE	23:00:00	07:00:00	MAT	CNS
017 - 11 - 09	THU	15:00:00	23:00:00	MAT	CNS
017 - 11 - 07	TUE	07:00:00	15:00:00	MAT	CNS
017 - 11 - 06	MON	07:00:00	15:00:00	QUARR	CNS
017 - 11 - 05	SUN	07:00:00	19:00:00	OR	CNS
017 - 11 - 08	WED	15:00:00	23:00:00	MAT	CNS
017 - 10 - 02	MON	23:00:00	07:00:00	ER	NA
017 - 10 - 05	THU	15:00:00	23:00:00	ER	NA
017 - 10 - 04	WED	07:00:00	15:00:00	ICU	NA
017 - 10 - 07	SAT	19:00:00	07:00:00	ICU	NA
017 - 10 - 03	TUE	15:00:00	23:00:00	QUARR	NA
017 - 10 - 11	WED	07:00:00	15:00:00	ER	NA
017 - 10 - 14	SAT	19:00:00	07:00:00	QUARR	NA
017 - 10 - 08	SUN	19:00:00	07:00:00	ICU	NA
017-10-13	FRI	23:00:00	07:00:00	ER	NA
017-10-09	MON	15:00:00	23:00:00	MAT	NA
017-10-17	TUE	15:00:00	23:00:00	ER	NA
017 - 10 - 21	SAT	07:00:00	19:00:00	ICU	NA
017-10-19	THU	15:00:00	23:00:00	QUARR	NA
017 - 10 - 20	FRI	23:00:00	07:00:00	ER	NA
017 - 10 - 15	SUN	07:00:00	19:00:00	ER	NA
017 - 10 - 26	THU	23:00:00	07:00:00	PSYCH	NA
017-10-22 $017-10-27$	SUN FRI	19:00:00	07:00:00	ER ER	NA NA
017 - 10 - 27 $017 - 10 - 23$	FRI MON	$egin{array}{c c} 15:00:00 & \ 23:00:00 & \ \end{array}$	$23:00:00 \\ 07:00:00$	EK QUARR	NA NA
017 - 10 - 23 $017 - 10 - 25$	MON WED	$\mid 25:00:00 \mid 15:00:00 \mid$	23:00:00	QUARK ER	NA NA
017 - 10 - 25 $017 - 11 - 04$	SAT	15:00:00 07:00:00	19:00:00	PSYCH	NA NA
017 - 11 - 04 $017 - 11 - 01$	SAT WED	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	07:00:00	ICU	NA
017 - 11 - 01 $017 - 10 - 31$	WED TUE	$\mid 25:00:00 \mid 15:00:00 \mid$	23:00:00	ICU ICU	NA NA
2017 - 10 - 31 $2017 - 11 - 03$	FRI	15:00:00 15:00:00	23:00:00	OR	NA
2017 - 11 - 03 $2017 - 11 - 02$	THU	07:00:00	15:00:00	QUARR	NA
2017 - 11 - 02 $2017 - 11 - 07$	TUE	$\begin{vmatrix} 07.00.00 \\ 23:00:00 \end{vmatrix}$	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

0017 11 10	LEDI		1 7 00 00	LICIT	L DIA L
2017-11-10	FRI	07:00:00	15:00:00	ICU	NA
017 - 11 - 05 $017 - 10 - 04$	SUN	07:00:00	19:00:00	QUARR	NA LPN
017 - 10 - 04 $017 - 10 - 05$	WED	15:00:00 23:00:00	$23:00:00 \\ 07:00:00$	OR PSYCH	LPN
017 - 10 - 05 017 - 10 - 06	THU				
	FRI	15:00:00	23:00:00	PSYCH	LPN
017 - 10 - 02	MON	15:00:00	23:00:00	PSYCH	LPN
017 - 10 - 01	SUN	07:00:00	19:00:00	ER	LPN
017 - 10 - 08	SUN	19:00:00	07:00:00	ER	LPN
017 - 10 - 13	FRI	15:00:00	23:00:00	QUARR	LPN LPN
017 - 10 - 14	SAT	19:00:00	07:00:00	MAT ICU	LPN
017 - 10 - 10	TUE	15:00:00	23:00:00	1	
017 - 10 - 09	MON	23:00:00	07:00:00	ICU	LPN
)17-10-19	THU	07:00:00	15:00:00	MAT	LPN
017 - 10 - 15	SUN	07:00:00	19:00:00	PSYCH	LPN
017 - 10 - 20	FRI	23:00:00	07:00:00	PSYCH	LPN
017 - 10 - 16	MON	23:00:00	07:00:00	OR	LPN
017 - 10 - 17	TUE	15:00:00	23:00:00	QUARR	LPN
017 - 10 - 28	SAT	07:00:00	19:00:00	PSYCH	LPN
017 - 10 - 24	TUE	23:00:00	07:00:00	PSYCH	LPN
017 - 10 - 22	SUN	07:00:00	19:00:00	ER	LPN
017 - 10 - 23	MON	15:00:00	23:00:00	PSYCH	LPN
017-10-26	THU	15:00:00	23:00:00	QUARR	LPN
017-10-30	MON	15:00:00	23:00:00	PSYCH	LPN
017-11-01	WED	23:00:00	07:00:00	PSYCH	LPN
017-10-29	SUN	07:00:00	19:00:00	QUARR	LPN
017-11-03	FRI	15:00:00	23:00:00	QUARR	LPN
017 - 11 - 02	THU	15:00:00	23:00:00	MAT	LPN
017 - 11 - 08	WED	23:00:00	07:00:00	PSYCH	LPN
)17-11-10	FRI	15:00:00	23:00:00	QUARR	LPN
017 - 11 - 09	THU	15:00:00	23:00:00	OR	LPN
017 - 11 - 07	TUE	23:00:00	07:00:00	MAT	LPN
017-11-11	SAT	07:00:00	19:00:00	QUARR	LPN
017-10-01	SUN	07:00:00	19:00:00	ER	CNS
017 - 10 - 04	WED	15:00:00 15:00:00	23:00:00 23:00:00	PSYCH	CNS
017-10-06 $017-10-03$	FRI	1		QUARR	CNS
	TUE	07:00:00	$15:00:00 \\ 07:00:00$	ER	CNS
2017-10-05	,				CNS
017 - 10 - 08	SUN	19:00:00	07:00:00	ICU	CNS CNS
017-10-14	SAT	07:00:00	19:00:00	MAT	1 1
017 - 10 - 12	THU	23:00:00	07:00:00	QUARR	CNS
017 - 10 - 11	WED	15:00:00	23:00:00	QUARR	CNS
017-10-13 $017-10-21$	FRI	15:00:00 19:00:00	$23:00:00 \\ 07:00:00$	ER	CNS
	SAT			MAT	CNS
017 - 10 - 18	WED	07:00:00	$15:00:00 \\ 07:00:00$	ICU	CNS
017 - 10 - 15	SUN	19:00:00		PSYCH	CNS CNS
017 - 10 - 17 $017 - 10 - 20$	TUE FRI	15:00:00 07:00:00	$23:00:00 \\ 15:00:00$	QUARR PSYCH	CNS
017 - 10 - 20 $017 - 10 - 28$	FRI SAT	19:00:00	07:00:00	ER	CNS
017 - 10 - 28 $017 - 10 - 25$,			EK PSYCH	CNS
017 - 10 - 25 017 - 10 - 22	WED	07:00:00	15:00:00	1	CNS
017-10-22 017-10-27	SUN	07:00:00	19:00:00	OR ICU	CNS
	FRI MON	23:00:00 07:00:00	07:00:00	ICU ICU	CNS
017 - 10 - 23	MON		15:00:00		CNS
017 - 11 - 01	WED	07:00:00	15:00:00	OR	
017 - 11 - 03	FRI	07:00:00	15:00:00	MAT	CNS
017 - 10 - 29	SUN	07:00:00	19:00:00	ER	CNS
017 - 11 - 02	THU	07:00:00	15:00:00	QUARR	CNS
017 - 10 - 31	TUE	07:00:00	15:00:00	ICU	CNS
017 - 11 - 10	FRI	07:00:00	15:00:00	ER	CNS
017 - 11 - 07	TUE	15:00:00	23:00:00	PSYCH	CNS
017 - 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)

${\tt shiftDate}$	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	$\begin{vmatrix} & & & & & & & & & & & \\ & & & & & & & $
2017-10-02	MON	07:00:00	15:00:00	ICU	NP	$\begin{vmatrix} & 2 \\ & 2 \end{vmatrix}$
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	$\begin{vmatrix} & & & & & & & & & & & & & & & & & & &$
2017 10 02	MON	07:00:00	15:00:00	MAT	RN	$\begin{vmatrix} 2 \\ 2 \end{vmatrix}$
2017-10-02	MON	07:00:00	15:00:00	MAT	LPN	$\begin{vmatrix} 2 \\ 3 \end{vmatrix}$
2017-10-02	MON	07:00:00	15:00:00	MAT	NP	3
	MON	07:00:00	•	MAT	CNS	3 3
2017-10-02		1	15:00:00	The state of the s		$\begin{vmatrix} & 3 \\ & 2 \end{vmatrix}$
2017-10-02	MON	07:00:00	15:00:00	MAT	NA	$\begin{vmatrix} 2 \\ 3 \end{vmatrix}$
2017-10-02	MON	07:00:00	15:00:00	OR	RN	
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
2017 - 10 - 03	TUE	07:00:00	15:00:00	ER	RN	2
2017 - 10 - 03	TUE	07:00:00	15:00:00	ER	LPN	$\overline{}$
2017 - 10 - 03	TUE	07:00:00	15:00:00	ER	NP	3
2017 - 10 - 03	TUE	07:00:00	15:00:00	ER	CNS	2
2017 - 10 - 03	TUE	07:00:00	15:00:00	ER	NA	3
2017 - 10 - 03	TUE	07:00:00	15:00:00	ICU	RN	$\stackrel{ }{ }$ 2
2017-10-03	TUE	07:00:00	15:00:00	ICU	LPN	$\begin{vmatrix} & 2 \\ & 2 \end{vmatrix}$
2017-10-03	TUE	07:00:00	15:00:00	ICU	NP	$\begin{vmatrix} & 2 \\ & 2 \end{vmatrix}$
2017-10-03	TUE	07:00:00	15:00:00	ICU	CNS	$\begin{vmatrix} & 2 \\ & 2 \end{vmatrix}$
2017-10-03	TUE	07:00:00	15:00:00	ICU	NA	3
2017-10-03	TUE	07:00:00	15:00:00	MAT	RN	$\begin{vmatrix} & & 0 \\ 1 & & 2 \end{vmatrix}$
2017-10-03	TUE	07:00:00	15:00:00	MAT	LPN	$\begin{vmatrix} 2 \\ 2 \end{vmatrix}$
2017 10 03	TUE	07:00:00	15:00:00	MAT	NP	$\begin{vmatrix} 2 \\ 2 \end{vmatrix}$
2017-10-03	TUE	07:00:00	15:00:00	MAT	CNS	$\begin{vmatrix} 2 \\ 2 \end{vmatrix}$
2017-10-03	TUE	07:00:00	15:00:00	MAT	CNS NA	2
	•	•	•	·		3 3
2017-10-03	TUE	07:00:00	15:00:00	OR	RN	
2017-10-03	TUE	07:00:00	15:00:00	OR	LPN	3
2017-10-03	TUE	07:00:00	15:00:00	OR	NP	3
2017-10-03	TUE	07:00:00	15:00:00	OR	CNS	3
2017-10-03	TUE	07:00:00	15:00:00	OR	NA	3
2017-10-03	TUE	07:00:00	15:00:00	QUARR	RN	3
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 $2017-10-03$	TUE TUE	07:00:00 07:00:00	$oxed{15:00:00} 15:00:00$	QUARR PSYCH	NA RN	$\frac{3}{3}$
2017-10-03	TUE	07:00:00	15:00:00	PSYCH	LPN	2
		1				
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
2017 - 10 - 04	WED	07:00:00	15:00:00	ER	LPN	2
2017 - 10 - 04	WED	07:00:00	15:00:00	ER	NP	3
2017 - 10 - 04	WED	07:00:00	15:00:00	ER	CNS	2
2017 - 10 - 04	WED	07:00:00	15:00:00	ER	NA	3
2017 - 10 - 04	WED	07:00:00	15:00:00	ICU	RN	3
2017 - 10 - 04	WED	07:00:00	15:00:00	ICU	LPN	3
2017 - 10 - 04	WED	07:00:00	15:00:00	ICU	NP	2
2017 - 10 - 04	WED	07:00:00	15:00:00	ICU	CNS	2
2017 - 10 - 04	WED	07:00:00	15:00:00	ICU	NA	2
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
2017-10-04	WED	07:00:00	15:00:00	MAT	CNS	3
2017-10-04	WED	07:00:00	15:00:00	MAT	NA	2
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	$\frac{3}{2}$
2017-10-04	WED	07:00:00	15:00:00	OR	NP	3
2017-10-04	WED	07:00:00	15:00:00	OR OR	CNS	3
2017-10-04	WED	07:00:00	15:00:00	OR OR	NA	2
				1	RN	$\frac{2}{2}$
2017-10-04	WED	07:00:00	15:00:00	QUARR		
2017-10-04	WED	07:00:00	15:00:00	QUARR	LPN	3
2017-10-04	WED	07:00:00	15:00:00	QUARR	NP	2
2017-10-04	WED	07:00:00	15:00:00	QUARR	CNS	3
2017 - 10 - 04	WED	07:00:00	15:00:00	QUARR	NA	3
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
2017 - 10 - 05	THU	07:00:00	15:00:00	ER	CNS	2
2017 - 10 - 05	THU	07:00:00	15:00:00	ER	NA	3
2017 - 10 - 05	THU	07:00:00	15:00:00	ICU	RN	3
2017 - 10 - 05	THU	07:00:00	15:00:00	ICU	LPN	3
2017 - 10 - 05	THU	07:00:00	15:00:00	ICU	NP	$\overline{2}$
2017 - 10 - 05	THU	07:00:00	15:00:00	ICU	CNS	2
2017 - 10 - 05	THU	07:00:00	15:00:00	ICU	NA	$\overline{2}$
2017-10-05	THU	07:00:00	15:00:00	MAT	RN	2
2017-10-05	THU	07:00:00	15:00:00	MAT	LPN	3
2017-10-05	THU	07:00:00	15:00:00	MAT	NP	3
2017-10-05	THU	07:00:00	15:00:00	MAT	CNS	$\frac{3}{2}$
2017-10-05	THU	07:00:00	15:00:00	MAT	NA	$\frac{2}{2}$
2017-10-05	THU	07:00:00	15:00:00	OR	RN	$\frac{2}{3}$
2017-10-05	THU	07:00:00	15:00:00	OR	LPN	3
2017-10-05	THU	07:00:00	15:00:00	OR	NP	2
2017-10-05	THU	07:00:00	15:00:00	OR	CNS	3
2017-10-05	THU	07:00:00	15:00:00	OR	NA	2
2017 - 10 - 05	THU	07:00:00	15:00:00	QUARR	RN	2
2017 - 10 - 05	THU	07:00:00	15:00:00	QUARR	LPN	2
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
2017 - 10 - 06	FRI	07:00:00	15:00:00	ER	RN	3
2017 - 10 - 06	FRI	07:00:00	15:00:00	ER	LPN	3
2017 - 10 - 06	FRI	07:00:00	15:00:00	ER	NP	3
2017 - 10 - 06	FRI	07:00:00	15:00:00	ER	CNS	2
2017 - 10 - 06	FRI	07:00:00	15:00:00	ER	NA	3
2017 - 10 - 06	FRI	07:00:00	15:00:00	ICU	RN	3
2017 - 10 - 06	FRI	07:00:00	15:00:00	ICU	LPN	3
2017 - 10 - 06	FRI	07:00:00	15:00:00	ICU	NP	3
2017 - 10 - 06	FRI	07:00:00	15:00:00	ICU	CNS	2
2017 - 10 - 06	FRI	07:00:00	15:00:00	ICU	NA	3
2017-10-06	FRI	07:00:00	15:00:00	MAT	RN	$\stackrel{\circ}{2}$
2017-10-06	FRI	07:00:00	15:00:00	MAT	LPN	$\begin{bmatrix} 2 \\ 2 \end{bmatrix}$
2017 - 10 - 06	FRI	07:00:00	15:00:00 15:00:00	MAT	NP	$\begin{bmatrix} 2 & \\ 2 & \end{bmatrix}$
2017-10-06	FRI	07:00:00	15.00.00 15:00:00	MAT	CNS	3
		•	1	'		
2017-10-06	FRI	07:00:00	15:00:00	MAT	NA	3
2017-10-06	FRI	07:00:00	15:00:00	OR	RN	2
2017-10-06	FRI	07:00:00	15:00:00	OR	LPN	2
2017 - 10 - 06	FRI	07:00:00	15:00:00	OR	NP	2
2017 - 10 - 06	FRI	07:00:00	15:00:00	OR	CNS	2
2017 - 10 - 06	FRI	07:00:00	15:00:00	OR	NA	3
2017 - 10 - 06	FRI	07:00:00	15:00:00	QUARR	RN	3
2017 - 10 - 06	FRI	07:00:00	15:00:00	QUARR	LPN	3
2017 - 10 - 06	FRI	07:00:00	15:00:00	QUARR	NP	2
2017 - 10 - 06	FRI	07:00:00	15:00:00	QUARR	CNS	3
2017 - 10 - 06	FRI	07:00:00	15:00:00	QUARR	NA	$\overline{2}$
2017 - 10 - 06	FRI	07:00:00	15:00:00	PSYCH	RN	$\frac{1}{2}$
2017-10-06	FRI	07:00:00	15:00:00	PSYCH	LPN	3
2017 - 10 - 06	FRI	07:00:00	15:00:00	PSYCH	NP	3
2017-10-06	FRI	07:00:00	15.00.00 15:00:00	PSYCH	CNS	$\begin{bmatrix} 3 & \\ 2 & \end{bmatrix}$
2017-10-06	FRI	07:00:00	15:00:00	PSYCH	NA	$\begin{bmatrix} 2 & \\ 2 & \end{bmatrix}$
	FRI MON	· ·	1	PSYCH ER	NA RN	$\begin{bmatrix} 2 & 1 \\ 2 & 1 \end{bmatrix}$
2017-10-02		15:00:00	23:00:00			
2017-10-02	MON	15:00:00	23:00:00	ER	LPN	3
2017-10-02	MON	15:00:00	23:00:00	ER	NP	3
2017 - 10 - 02	MON	15:00:00	23:00:00	ER	CNS	2
2017 - 10 - 02	MON	15:00:00	23:00:00	ER	NA	2
2017 - 10 - 02	MON	15:00:00	23:00:00	ICU	RN	3
2017 - 10 - 02	MON	15:00:00	23:00:00	ICU	LPN	3
$2017\!-\!10\!-\!02$	MON	15:00:00	23:00:00	ICU	NP	2
2017 - 10 - 02	MON	15:00:00	23:00:00	ICU	CNS	2
2017 - 10 - 02	MON	15:00:00	23:00:00	ICU	NA	3
2017 - 10 - 02	MON	15:00:00	23:00:00	MAT	RN	3
2017 - 10 - 02	MON	15:00:00	23:00:00	MAT	LPN	$\stackrel{\circ}{2}$
2017 - 10 - 02	MON	15:00:00	23:00:00	MAT	NP	$\begin{bmatrix} 2 \\ 3 \end{bmatrix}$
2017 - 10 - 02 $2017 - 10 - 02$	MON	15:00:00	23:00:00	MAT	CNS	$\begin{bmatrix} 3 & \\ 2 & \end{bmatrix}$
2017 - 10 - 02 $2017 - 10 - 02$	MON	15:00:00	$\begin{vmatrix} 23.00.00 \\ 23:00:00 \end{vmatrix}$	MAT	NA	$\begin{bmatrix} 2 & \\ 2 & \end{bmatrix}$
	MON	•	1	OR	NA RN	$\begin{bmatrix} 2 & \\ 2 & \end{bmatrix}$
2017-10-02		15:00:00	23:00:00			
2017-10-02	MON	15:00:00	23:00:00	OR	LPN	3
2017-10-02	MON	15:00:00	23:00:00	OR	NP	3
2017-10-02	MON	15:00:00	23:00:00	OR	CNS	2
2017 - 10 - 02	MON	15:00:00	23:00:00	OR	NA	3
2017 - 10 - 02	MON	15:00:00	23:00:00	QUARR	RN	2
2017 - 10 - 02	MON	15:00:00	23:00:00	QUARR	LPN	3
$2017\!-\!10\!-\!02$	MON	15:00:00	23:00:00	QUARR	NP	3
2017 - 10 - 02	MON	15:00:00	23:00:00	QUARR	CNS	2
2017 - 10 - 02	MON	15:00:00	23:00:00	QUARR	NA	3
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	$\stackrel{\circ}{2}$
2017 - 10 - 02	MON	15:00:00	23:00:00	PSYCH	NP	3
-UI IU UU	1.10.1	1 20.00.00		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- 1-	9

'		5:00:00	23:00:00	PSYCH	CNS	3
'		5:00:00	23:00:00	PSYCH	NA	3
2017-10-03 7	ΓUE 1	5:00:00	23:00:00	ER	RN	2
2017-10-03 7	ΓUE 1	5:00:00	23:00:00	ER	LPN	2
2017-10-03 7	ΓUE 1	5:00:00	23:00:00	ER	NP	2
2017-10-03 7	ΓUE 1	5:00:00	23:00:00	ER	CNS	3
2017-10-03	ΓUE 1	5:00:00	23:00:00	ER	NA	3
2017-10-03	ΓUE 1	5:00:00	23:00:00	ICU	RN	3
2017-10-03	ΓUE 1	5:00:00	23:00:00	ICU	LPN	2
2017-10-03	ΓUE 1	5:00:00	23:00:00	ICU	NP	3
2017-10-03	ΓUE 1	5:00:00	23:00:00	ICU	CNS	2
•	,	5:00:00	23:00:00	ICU	NA	2
,	,	5:00:00	23:00:00	MAT	RN	2
•	,	5:00:00	23:00:00	MAT	LPN	2
	,	5:00:00	23:00:00	MAT	NP	2
1		5:00:00	23:00:00	MAT	CNS	3
		5:00:00	23:00:00	MAT	NA	2
1		5:00:00	23:00:00	OR	RN	2
•	,	5:00:00	23:00:00	OR	LPN	2
•	,	5:00:00	23:00:00	OR	NP	3
•	,	5:00:00	23:00:00	OR	CNS	3
•	,	5:00:00	23:00:00	OR	NA	3
•	,	5:00:00	23:00:00	QUARR	RN	$\stackrel{\circ}{2}$
•	,	5:00:00	23:00:00	QUARR	LPN	2
•	,	5:00:00	23:00:00	QUARR	NP	$\begin{bmatrix} 2 & 1 \\ 2 & 1 \end{bmatrix}$
1		5:00:00	23:00:00	QUARR	CNS	$\begin{bmatrix} 2 & 1 \\ 2 & 1 \end{bmatrix}$
•	,	5:00:00	23:00:00	QUARR	NA	3
•	,	5:00:00	23:00:00	PSYCH	RN	2
•	,	5:00:00	23:00:00	PSYCH	LPN	$\begin{bmatrix} 2 & 1 \\ 2 & 1 \end{bmatrix}$
•	,	5:00:00	23:00:00	PSYCH	NP	3
	,	5:00:00	23:00:00	PSYCH	CNS	2
	,	5:00:00	23:00:00	PSYCH	NA	$\begin{bmatrix} 2 & 1 \\ 2 & 1 \end{bmatrix}$
	,	5:00:00	23:00:00	ER	RN	$\begin{bmatrix} 2 & 1 \\ 2 & 1 \end{bmatrix}$
'		5:00:00	23:00:00	ER	LPN	2
		5:00:00	23:00:00	ER	NP	3
'		5:00:00	23:00:00	ER	CNS	3
		5:00:00	23:00:00	ER	NA	2
·		5:00:00	23:00:00	ICU	RN	3
		5:00:00	23:00:00	ICU	LPN	3
		5:00:00	23:00:00	ICU	NP	3
1		5:00:00	23:00:00	ICU	CNS	3
1		5:00:00	23:00:00	ICU	NA	$\stackrel{\circ}{2}$
1		5:00:00	23:00:00	MAT	RN	3
		5:00:00	23:00:00	MAT	LPN	$\stackrel{\circ}{2}$
		5:00:00	23:00:00	MAT	NP	3
		5:00:00	23:00:00	MAT	CNS	3
		5:00:00	23:00:00	MAT	NA	$\begin{array}{c c} 3 & 1 \\ 2 & 1 \end{array}$
		5:00:00	23:00:00	OR	RN	3
		5:00:00	23:00:00	OR	LPN	3
		5:00:00	23:00:00	OR	NP	$\begin{bmatrix} 3 & 1 \\ 2 & 1 \end{bmatrix}$
		5:00:00	23:00:00	OR	CNS	3
1		5:00:00	23:00:00	OR	NA	$\begin{bmatrix} 3 & 1 \\ 2 & 1 \end{bmatrix}$
		5:00:00	23:00:00	QUARR	RN	3
		5:00:00	23:00:00	QUARR	LPN	3
		5:00:00	23:00:00	QUARR	NP	3
		5:00:00	23:00:00	QUARR	CNS	$\begin{bmatrix} 3 & 1 \\ 2 & 1 \end{bmatrix}$
		5:00:00	23:00:00	QUARR	NA	3
		5:00:00	23:00:00	PSYCH	RN	3
		5:00:00	23:00:00	PSYCH	LPN	$\begin{bmatrix} 3 & 1 \\ 2 & 1 \end{bmatrix}$
1	,	5:00:00	23:00:00	PSYCH	NP	$\begin{bmatrix} 2 & 1 \\ 2 & 1 \end{bmatrix}$
,	:	5:00:00	23:00:00	PSYCH	CNS	3
		5:00:00	23:00:00	PSYCH	NA	$\begin{array}{c c} 3 & 1 \\ 2 & 1 \end{array}$
1 .	1 -			ı	1	1

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 15:00:00	23:00:00	ICU ICU	NA	$\begin{vmatrix} & 3 \\ & 2 \end{vmatrix}$
			!			ı
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 15:00:00	23:00:00	QUARR	RN	3
			23:00:00	. •	LPN	3 3
2017-10-05	THU	15:00:00	l	QUARR		
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	$\begin{vmatrix} & & & & & & & & & & & \\ & & & & & & & $
2017-10-06	FRI	15:00:00	23:00:00	ER	NP	$\begin{vmatrix} 2 \\ 3 \end{vmatrix}$
			!			
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		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	$\begin{vmatrix} & & & & & & & & & & & & & & & & & & &$
2017-10-06	FRI	15:00:00	23:00:00	MAT	NP	$\begin{vmatrix} 2 \\ 2 \end{vmatrix}$
2017 10 00	FRI	15:00:00	23:00:00	MAT	CNS	$\begin{vmatrix} 2 \\ 2 \end{vmatrix}$
2017-10-06	FRI	15.00.00 15:00:00	23:00:00	MAT MAT	NA	$\begin{vmatrix} 2 \\ 3 \end{vmatrix}$
		1	!			
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 00	FRI	15:00:00	23:00:00	QUARR	NA	3
			!		RN	•
2017-10-06	FRI	15:00:00	23:00:00	PSYCH		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
0017 10 00 1	MON	23:00:00	07:00:00	ER	RN	2
2017 - 10 - 02				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	$\stackrel{\circ}{2}$
2017-10-02	MON	23:00:00	07:00:00	OR	RN	$\begin{bmatrix} 2 \\ 3 \end{bmatrix}$
2017-10-02 2017-10-02	MON	$\begin{vmatrix} 23.00.00 \\ 23:00:00 \end{vmatrix}$	07:00:00	OR	LPN	$egin{array}{c c} 3 & & & \\ \hline \end{array}$
2017-10-02 2017-10-02	MON	23:00:00	07:00:00	OR OR	LFN NP	2
	MON	23:00:00	'	OR OR	NP CNS	$\begin{array}{c c} 2 & \\ 3 & \end{array}$
2017-10-02			07:00:00	!		
2017-10-02	MON	23:00:00	07:00:00	OLADD	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
$^{2017-10-02} \mid$	MON	23:00:00	07:00:00	QUARR	NA	2
2017 - 10 - 02	MON	23:00:00	07:00:00	PSYCH	RN	$2 \mid$
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	$\begin{array}{c c} 2 & 1 \\ \end{array}$
2017-10-03	TUE	23:00:00	07:00:00	ER	CNS	$\begin{bmatrix} 2 \\ 3 \end{bmatrix}$
2017-10-03 2017-10-03	TUE	$\begin{vmatrix} 23.00.00 \\ 23:00:00 \end{vmatrix}$	07:00:00	ER	NA	$\begin{array}{c c} 3 & 1 \\ 2 & 1 \end{array}$
2017-10-03 2017-10-03	TUE	23:00:00	07:00:00	ER ICU	NA RN	$\begin{array}{c c} 2 & \\ 3 & \end{array}$
2017-10-03 2017-10-03	TUE	23:00:00	07:00:00	ICU ICU	KN LPN	$\begin{array}{c c} 3 & \\ 2 & \end{array}$
		•	'	1		$\begin{array}{c c}2& \\2& \end{array}$
2017-10-03	TUE	23:00:00	07:00:00	ICU	NP	
2017-10-03	TUE	23:00:00	07:00:00	ICU	CNS	$\begin{array}{c c}2\end{array}$
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	$\begin{array}{c c} 2 & 1 \\ \end{array}$
2017-10-03	TUE	23:00:00	07:00:00	QUARR	LPN	$\begin{bmatrix} 2 & 1 \\ 2 & 1 \end{bmatrix}$
2017-10-03	TUE	$\begin{vmatrix} 23.00.00 \\ 23:00:00 \end{vmatrix}$	07:00:00	QUARR	DIN NP	$\begin{array}{c c} 2 & 1 \\ 3 & 1 \end{array}$
2017-10-03 2017-10-03	TUE	23:00:00	07:00:00	QUARR QUARR	CNS	$\begin{array}{c c} 3 & 1 \\ 2 & 1 \end{array}$
		!				$\begin{bmatrix} 2 & \\ 2 & \end{bmatrix}$
2017-10-03	TUE	23:00:00	07:00:00	QUARR	NA	
2017-10-03	TUE	23:00:00	07:00:00	PSYCH	RN	$\begin{array}{c c}3 & \downarrow \\ 2 & \downarrow \end{array}$
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
	WED	23:00:00	07:00:00	ER	CNS	3

2017-10-04 WED	
2017-10-04 WED	3
2017-10-04 WED 23:00:00 07:00:00 ICU NP 2017-10-04 WED 23:00:00 07:00:00 ICU NA 2017-10-04 WED 23:00:00 07:00:00 ICU NA 2017-10-04 WED 23:00:00 07:00:00 MAT RN 2017-10-04 WED 23:00:00 07:00:00 MAT RN 2017-10-04 WED 23:00:00 07:00:00 MAT IPN 2017-10-04 WED 23:00:00 07:00:00 MAT IPN 2017-10-04 WED 23:00:00 07:00:00 MAT INP 2017-10-04 WED 23:00:00 07:00:00 MAT NA 2017-10-04 WED 23:00:00 07:00:00 MAT NA 2017-10-04 WED 23:00:00 07:00:00 OR IRN 2017-10-04 WED 23:00:00 07:00:00 OR IPN 2017-10-04 WED 23:00:00 07:00:00 OR INN INN 2017-10-04 WED 23:00:00 07:00:00 OR INN 2017-10-04 WED 23:00:00 07:00:00 OR PSYCH INN 2017-10-04 WED 23:00:00 07:00:00 PSYCH INN 2017-10-04 WED 23:00:00 07:00:00 PSYCH INN 2017-10-04 WED 23:00:00 07:00:00 PSYCH INN 2017-10-05 THU 23:00:00 07:00:00 PSYCH INN 2017-10-05 THU 23:00:00 07:00:00 PSYCH INN 2017-10-05 THU 23:00:00 07:00:00 ER INN 2017-10-05 THU 23:00:00 07:00:00 ER INN 2017-10-05 THU 23:00:00 07:00:00 ICU INN 2017-10-05 THU 23:00:00 07:00:00 OR INN 2017-10-05 THU 23:00:00 07:00:00 OR INN 2017-10-05 THU 23:00:00 07:00	3
2017-10-04 WED 23:00:00 07:00:00 ICU CNS 2017-10-04 WED 23:00:00 07:00:00 ICU NA NA 2017-10-04 WED 23:00:00 07:00:00 MAT I.PN 2017-10-04 WED 23:00:00 07:00:00 OR I.PN 2017-10-04 WED 23:00:00 07:00:00 QUARR I.PN 2017-10-04 WED 23:00:00 07:00:00 PSYCH I.PN 2017-10-05 THU 23:00:00 07:00:00 ER I.PN 2017-10-05 THU 23:00:00 07:00:00 ICU I.PN 2017-10-05 THU 23:00:00 07	2
2017-10-04 WED 23:00:00 07:00:00 ICU NA 2017-10-04 WED 23:00:00 07:00:00 MAT RN 2017-10-04 WED 23:00:00 07:00:00 MAT LPN 2017-10-04 WED 23:00:00 07:00:00 MAT NP 2017-10-04 WED 23:00:00 07:00:00 MAT NP 2017-10-04 WED 23:00:00 07:00:00 MAT NA 2017-10-04 WED 23:00:00 07:00:00 MAT NA 2017-10-04 WED 23:00:00 07:00:00 OR RN 2017-10-04 WED 23:00:00 07:00:00 OR RN 2017-10-04 WED 23:00:00 07:00:00 OR NP 2017-10-04 WED 23:00:00 07:00:00 OR NA 2017-10-04 WED 23:00:00 07:00:00 OR NA 2017-10-04 WED 23:00:00 07:00:00 OR NA 2017-10-04 WED 23:00:00 07:00:00 QUARR RN 2017-10-04 WED 23:00:00 07:00:00 QUARR LPN 2017-10-04 WED 23:00:00 07:00:00 QUARR LPN 2017-10-04 WED 23:00:00 07:00:00 QUARR CNS 2017-10-04 WED 23:00:00 07:00:00 QUARR NP 2017-10-04 WED 23:00:00 07:00:00 QUARR NA 2017-10-04 WED 23:00:00 07:00:00 QUARR NA 2017-10-04 WED 23:00:00 07:00:00 QUARR NA 2017-10-04 WED 23:00:00 07:00:00 PSYCH RN 2017-10-04 WED 23:00:00 07:00:00 PSYCH NA 2017-10-04 WED 23:00:00 07:00:00 PSYCH NA 2017-10-04 WED 23:00:00 07:00:00 PSYCH NA 2017-10-05 THU 23:00:00 07:00:00 ER RN 2017-10-05 THU 23:00:00 07:00:00 ER RN 2017-10-05 THU 23:00:00 07:00:00 ER NA 2017-10-05 THU 23:00:00 07:00:00 ER NA 2017-10-05 THU 23:00:00 07:00:00 MAT RN 2017-10-05 THU 23:00:00 07:00:00 MAT NA 2017-10-05 THU 23:00:00 07:00:00 MAT NA 2017-10-05 THU 23:00:00 07:00:00 QUARR	2
2017-10-04 WED 23:00:00 07:00:00 MAT LPN	3
2017-10-04 WED 23:00:00 07:00:00 MAT LPN 2017-10-04 WED 23:00:00 07:00:00 MAT NP 2017-10-04 WED 23:00:00 07:00:00 MAT NA 2017-10-04 WED 23:00:00 07:00:00 MAT NA 2017-10-04 WED 23:00:00 07:00:00 MAT NA 2017-10-04 WED 23:00:00 07:00:00 OR RN 2017-10-04 WED 23:00:00 07:00:00 OR LPN 2017-10-04 WED 23:00:00 07:00:00 OR NP 2017-10-04 WED 23:00:00 07:00:00 OR NP 2017-10-04 WED 23:00:00 07:00:00 OR NP 2017-10-04 WED 23:00:00 07:00:00 OR NA 2017-10-04 WED 23:00:00 07:00:00 OR NA 2017-10-04 WED 23:00:00 07:00:00 OR NA 2017-10-04 WED 23:00:00 07:00:00 QUARR RN 2017-10-04 WED 23:00:00 07:00:00 QUARR RN 2017-10-04 WED 23:00:00 07:00:00 QUARR NP 2017-10-04 WED 23:00:00 07:00:00 QUARR NP 2017-10-04 WED 23:00:00 07:00:00 QUARR NP 2017-10-04 WED 23:00:00 07:00:00 QUARR NA 2017-10-04 WED 23:00:00 07:00:00 QUARR NA 2017-10-04 WED 23:00:00 07:00:00 PSYCH RN 2017-10-04 WED 23:00:00 07:00:00 PSYCH LPN 2017-10-04 WED 23:00:00 07:00:00 PSYCH LPN 2017-10-04 WED 23:00:00 07:00:00 PSYCH LPN 2017-10-04 WED 23:00:00 07:00:00 PSYCH NA 2017-10-04 WED 23:00:00 07:00:00 PSYCH NA 2017-10-05 THU 23:00:00 07:00:00 PSYCH NA 2017-10-05 THU 23:00:00 07:00:00 ER RN 2017-10-05 THU 23:00:00 07:00:00 ER RN 2017-10-05 THU 23:00:00 07:00:00 ER NP 2017-10-05 THU 23:00:00 07:00:00 MAT RN 2017-10-05 THU 23:00:00 07:00:00 MAT RN 2017-10-05 THU 23:00:00 07:00:00 MAT NP 2017-10-05 THU 23:00:00 07:00:00 MAT NP 2017-10-05 THU 23:00:00 07:00:00 OR NP 2017-10-05 THU 23:00:00 07:00:00 OR NA	2
2017-10-04 WED	2
2017-10-04 WED	2
2017-10-04 WED	3
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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	$\begin{bmatrix} 2 & 1 \\ 2 & 1 \end{bmatrix}$
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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
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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
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2017 - 10 - 07	SAT	07:00:00	19:00:00	MAT	LPN	2
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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
2017 - 10 - 07	SAT	07:00:00	19:00:00	QUARR	RN	3
2017-10-07	SAT	07:00:00	19:00:00	QUARR	LPN	2
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2017-10-07	SAT	07:00:00	19:00:00	QUARR	CNS	$\frac{2}{2}$
2017-10-07	SAT	07:00:00	19:00:00	QUARR	NA	3
2017-10-07	SAT SAT	07:00:00	19:00:00	QUARK PSYCH	NA	3 2
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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
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2017-10-07	SAT	19:00:00	07:00:00	ER	RN	3
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2017 - 10 - 07	SAT	19:00:00	07:00:00	ER	NP	2
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570 rows in set (0.01 sec)

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	15:00:0
ICU	Adam	Apple	000-000-0001	2017 - 10 - 01	SUN	19:00:00	07:00:0
ICU	Adam	Apple	000-000-0001	2017 - 10 - 02	MON	23:00:00	07:00:0
ICU	Brad	Baker	000-000-0002	2017 - 10 - 07	SAT	19:00:00	07:00:0
ICU	Brad	Baker	000-000-0002	2017 - 10 - 01	SUN	07:00:00	19:00:0
ICU	Charles	Chaplan	000-000-0003	2017 - 10 - 01	SUN	07:00:00	19:00:0
ICU	Derek	Davis	000-000-0004	2017 - 10 - 03	TUE	07:00:00	15:00:0
ICU	Evan	Elliott	000-000-0005	2017 - 10 - 02	MON	23:00:00	07:00:0
ICU	Hank	Hamill	000-000-0008	2017 - 10 - 06	FRI	15:00:00	23:00:0
ICU	Hank	Hamill	000-000-0008	2017 - 10 - 02	MON	23:00:00	07:00:0
ICU	Hank	Hamill	000-000-0008	2017 - 10 - 05	THU	15:00:00	23:00:0
ICU	Jack	Joplin	000-000-0010	2017 - 10 - 05	THU	15:00:00	23:00:0
ICU	Jack	Joplin	000-000-0010	2017 - 10 - 03	TUE	07:00:00	15:00:0
ICU	Kevin	Keller	000-000-0011	2017 - 10 - 03	TUE	15:00:00	23:00:0
ICU	Lenny	Landman	000-000-0012	2017 - 10 - 04	WED	15:00:00	23:00:0
ICU	Peter	Parker	000-000-0016	2017 - 10 - 07	SAT	19:00:00	07:00:0
ICU	Quinn	Quarrick	000-000-0017	2017 - 10 - 06	FRI	15:00:00	23:00:0
ICU	Robert	Rodgers	000-000-0018	2017 - 10 - 04	WED	07:00:00	15:00:0
ICU	Robert	Rodgers	000-000-0018	2017 - 10 - 07	SAT	19:00:00	07:00:0
MAT	Adam	Apple	000-000-0001	2017 - 10 - 03	TUE	15:00:00	23:00:0
MAT	Brad	Baker	000-000-0002	2017 - 10 - 04	WED	15:00:00	23:00:0

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OR	OR	Lenny	Landman	000-000-0012	2017-10-03	TUE	23:00:00	07:00:00
OR	OR	Mark	Morris	000-000-0013	2017-10-05	THU	07:00:00	15:00:00
OR	OR	Nick	Norton	000-000-0014	2017-10-05	THU	07:00:00	15:00:00
OR	OR	Orval	Obrian	000-000-0015	2017-10-06	FRI	07:00:00	15:00:00
OR	OR	Orval	Obrian	000-000-0015	2017-10-04	WED	15:00:00	23:00:00
OR	OR	Peter	Parker	000-000-0016	2017-10-06	FRI	15:00:00	23:00:00
OR	OR	Quinn	Quarrick	000-000-0017	2017 - 10 - 02	MON	15:00:00	23:00:00
OR Sam Saville 000-000-001-019 2017-10-04 WED 15:00:00 23:00:00 OR Tom Tarantino 000-000-0020 2017-10-05 TIU 23:00:00 07:00:00 PSYCH Charles Chaplan 000-000-0004 2017-10-02 MCN 23:00:00 07:00:00 PSYCH Derek Davis 000-000-0004 2017-10-04 WED 07:00:00 15:00:00 PSYCH Derek Davis 000-000-0005 2017-10-01 WED 07:00:00 07:00:00 PSYCH Fear Elliott 000-000-0005 2017-10-01 SUN 07:00:00 07:00:00 PSYCH Frank Farris 000-000-0006 2017-10-01 SUN 07:00:00 07:00:00 PSYCH George Grant 000-000-0007 2017-10-07 SAT 19:00:00 07:00:00 PSYCH Hank Hamil 000-000-0000 2017-10-07 SAT 19:00:00 07:00:00 PSYCH Jack Jo	OR		Quarrick	000-000-0017	2017-10-01	SUN	19:00:00	07:00:00
OR	OR		Saville	000-000-0019	2017-10-04		15:00:00	23:00:00
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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 2017-10-05 THU 07:00:00 15:00:00 QUARR Kevin Keller 000-000-0009 2017-10-05 THU 07:00:00 07:00:00 QUARR Nick Norton 000-000-001 2017-10-06 FRI 23:00:00 07:00:00 QUARR Nick		•	•		·			
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	QUARR	Tom	Tarantino	000-000-0020	2017-10-06	FRI	15:00:00	23:00:00	
	QUARR	Robert	Rodgers	000-000-0018	2017-10-03	TUE	15:00:00	23:00:00	
	QUARR	Quinn	Quarrick	000-000-0017	2017-10-07	SAT	07:00:00	19:00:00	
	QUARR	Quinn	Quarrick	000-000-0017	2017-10-04	WED	07:00:00	15:00:00	

100 rows in set (0.00 sec)

department	firstName	lastName	shiftDate	start	end	pay	status
ER	Jack	Joplin	2017-10-01	19:00:00	07:00:00	0	Call-of
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-of
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-of
ICU	Charles	Chaplan	2017-10-01	07:00:00	19:00:00	0	Call-of
MAT	Evan	Elliott	2017-10-01	07:00:00	19:00:00	0	Call-of
MAT	George	Grant	2017-10-01	07:00:00	19:00:00	0	Call-of
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-of
PSYCH	Frank	Farris	2017-10-01	07:00:00	19:00:00	0	Call-of
PSYCH	Lenny	Landman	2017-10-01	07:00:00	19:00:00	$\begin{vmatrix} 306 \end{vmatrix}$	Req-off
PSYCH	Mark	Morris	2017-10-01	19:00:00	07:00:00	300 768	Call-in
	Mark Hank	Morris Hamill	2017-10-01		'	708	
QUARR ED	Hank Nick	Norton		07:00:00	19:00:00		Req-off
ER ED	1	I .	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
CU	Hank	Hamill	2017-10-02	23:00:00	07:00:00	0	Call-of
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-of
PSYCH	Sam	Saville	2017-10-02	15:00:00	23:00:00	0	Call-of
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-of
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
ИАТ	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-of
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-of
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 ICU	Robert	Rodgers	2017-10-04	07:00:00	15:00:00	130	Keq=011 Call-of
MAT	Brad	Rodgers Baker	2017-10-04	15:00:00	23:00:00	120	Req-off
	1		•				-
OR OR	Frank	Farris	2017-10-04	15:00:00	23:00:00	0	Call-of
OR	Orval	Obrian Saville	2017-10-04	15:00:00	23:00:00	0	Call-of Req-off
OR	Sam		2017-10-04	15:00:00	23:00:00	304	

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	$\begin{vmatrix} 07.00.00 \\ 23:00:00 \end{vmatrix}$	$\begin{vmatrix} 106 \\ 216 \end{vmatrix}$	Req-in
QUARR	Ivan	Ikarov	2017-10-04	23:00:00	$ \ \ 23.00.00 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	192	Req-off
QUARR	Peter	Parker	$\begin{vmatrix} 2017-10-04 \\ 2017-10-04 \end{vmatrix}$	23:00:00	07:00:00	$\begin{vmatrix} 192 \\ 312 \end{vmatrix}$	Req-off
	1			!	15:00:00	$\begin{vmatrix} 312 \\ 0 \end{vmatrix}$	Call-off
QUARR	Quinn	Quarrick	2017-10-04	07:00:00			Call-in
ER	Derek	Davis	2017-10-05	07:00:00	15:00:00	480	
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	$\begin{bmatrix} 0 \\ 270 \end{bmatrix}$	Call-off
ER	Brad	Baker	2017-10-08	19:00:00	07:00:00	270	Req-off
ER ICU	Sam Evan	Saville	2017-10-08	19:00:00	07:00:00	0	Call in
ICU ICU		Elliott	2017-10-08	07:00:00	19:00:00	504	Call-in
ICU ICU	Robert	Rodgers	2017-10-08	19:00:00	07:00:00	306	Req-in
MAT	Tom	Tarantino	2017-10-08	19:00:00	07:00:00	0	Call-off
	Adam	Apple	2017-10-08	07:00:00	19:00:00	405	Req-off
MAT MAT	George Kevin	Grant Keller	2017-10-08	19:00:00	07:00:00	$\begin{vmatrix} 342 \\ 480 \end{vmatrix}$	Req-off Call-in
MAT MAT	Kevin Mark	Morris	$\begin{vmatrix} 2017 - 10 - 08 \\ 2017 - 10 - 08 \end{vmatrix}$	19:00:00 19:00:00	$egin{array}{c c} 0.7:00:00 & 0.00 \\ 0.7:00:00 & 0.00 \end{array}$		Req-off
MAT PSYCH	Mark Ivan	Morris Ikarov	2017-10-08	19:00:00	07:00:00 07:00:00	$\begin{bmatrix} 576 \\ 0 \end{bmatrix}$	Call-off
PSYCH	Peter	Parker	2017-10-08	19:00:00	$\mid 07:00:00 \mid 19:00:00 \mid$	702	Req-off
PSYCH	Quinn	Quarrick	2017-10-08	19:00:00	07:00:00	0	Call-off
101011	& aiiiii	\ \alpha \ \	2011 10 00	10.00.00	01.00.00	0	Can On

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_cmp	sc431
address	
certification	
department	
department_ne	$_{ m ed}$
employee	
role	
shift	
shift_status	
$shift_time$	
week	
weekday	

11 rows in set (0.00 sec)

mysql> DESCRIBE address;

J - 1	,			ı	
Field	Type	Null	Key	Default	Extra
	int (11) int (11)	NO YES		NULL NULL	auto_increment
1 1	char(50)		İ	NULL	

city	char(50) YES	NULL	
state	char (50) YES	NULL	
zip	char (50) YES	NULL	
1		1	

7 rows in set (0.00 sec)

mysql> DESCRIBE certification;

Field	Type	Null	Key	Default	Extra
emp_ID	int (11) int (11) int (11)	YES	UNI	NULL	auto_increment

3 rows in set (0.00 sec)

mysql> DESCRIBE department;

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

5 rows in set (0.00 sec)

mysql> DESCRIBE department_need;

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

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 fname	int (11) char (50)	YES NO	MUL	NULL NULL	
mname	char (50)	YES	! 	NULL	
lname	char (50)	YES	j	NULL	
ssn	$ \operatorname{char}(12)$	YES		NULL	
phone1	$ \operatorname{char}(13)$	YES		NULL	
phone2	$ \operatorname{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
_	int(11) char(50)		PRI	NULL NULL	auto_increment

2 rows in set (0.00 sec)

mysql> DESCRIBE shift;

Field	Type	Null	Key	Default	Extra
shift_ID emp_ID dept_ID time_ID week_ID day_ID status_ID	int(11) int(11) int(11) int(11) int(11) int(11) int(11)	NO NO NO NO NO NO YES	PRI MUL MUL MUL MUL MUL MUL MUL MUL	NULL NULL NULL NULL NULL NULL NULL NULL	auto_increment
pay_modifier rows in set (double 	YES		NULL 	 -

mysql> DESCRIBE shift_status;

Field	Type	Null	Key	Default	Extra
status_ID	int(11) char(50)		PRI	NULL NULL	auto_increment

2 rows in set (0.00 sec)

mysql> DESCRIBE shift_time;

Field	Type	Null	Key	Default	Extra
time_ID shift_start shift_end shift_length	int(11) time time int(11)	NO NO	PRI 	NULL NULL NULL NULL	auto_increment

4 rows in set (0.00 sec)

mysql> DESCRIBE week;

Field	Type	Null	Key	Default	Extra
week_ID start_date end_date	int (11) date date	NO NO NO	PRI 	NULL NULL NULL	auto_increment

3 rows in set (0.00 sec)

mysql> DESCRIBE weekday;

Field	Type	Null	Key	Default	
day_ID day_name	int(11) char(10)		PRI	NULL NULL	auto_increment

2 rows in set (0.00 sec)

