## Assignment 5

Jiarong Ye

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## Load the data

In [94]: import pandas as pd

from datetime import datetime

```
import pymysql
In [268]: department = pd.read_csv('departments.csv', sep=',')
          department.columns = ['department_name']
          shift = pd.read_csv('shifts.csv', sep=',')
          shift.columns = ['from_time', 'length']
          employees = pd.read_csv('employees.csv', sep=',')
          employees.emptype = employees.emptype.fillna('')
          schedule = pd.read_csv('schedule.csv', sep=',')
          schedule.columns = ['date', 'empid', 'dept', 'start_time', 'shift_length']
Manipulate the data
In [316]: class DataSqlLoader:
              def __init__(self, database):
                  # connect to mysql local server
                  self.db = pymysql.Connect('localhost',
                         'root',
                         database)
                  self.c = db.cursor()
              \# convert the shift and schedule time to `time` format compatible in MySQL
              def convert_time_format(self, time):
                  return datetime.strptime('{}'.format(time), '%I%p').strftime('%H:%M:%S')
              \# convert schedule date to `date` format compatible in MySQL
              def convert_date_format(self, time):
                  return datetime.strptime('{}'.format(time), '%m/%d/%Y').strftime('%Y-%m-%d')
              def creat_tables(self):
                  self.c.execute('''
                          create table if not exists department
                            department_id int auto_increment
                              primary key,
                            department_name varchar(50) not null
                          ''')
                  self.c.execute('''
```

```
shift_id int auto_increment
                        primary key,
                      from_time time not null,
                      length int not null
                     );
                     111)
                 self.c.execute('''
                     create table if not exists schedule
                       schedule_id int auto_increment
                        primary key,
                                  date not null,
                       date
                       empid
                                  varchar(10) not null,
                                 varchar(50) not null,
                       dept
                       start_time time not null,
                      ''')
                 self.c.execute('''
                     create table if not exists employees
                              varchar(10) not null primary key,
                       lastname varchar(20) not null,
                       firstname varchar(20) not null,
                       emptype varchar(3) null,
                       cellphone varchar(20) null,
                       homephone varchar(20) null,
                            varchar(2) not null,
                       constraint employee_empid_uindex
                      unique (empid)
                     );
                 111)
             def insert_into_tables(self, table, table_name):
                 for i in range(len(table)):
                     attributes = '{}'.format(tuple(table.columns.tolist())).replace("'","")
                     query = "insert into {} {} values {};".format(
                        table_name, attributes, tuple(table.iloc[i,:].values))
                     query = query.replace("(none)","")
                     query = query.replace(r",)",")")
                     # print(query)
                     try:
                        c.execute(query)
                        db.commit()
                     except Exception as e:
                        print(e)
             def close(self):
                 self.db.close()
In [317]: dsl = DataSqlLoader('cs431_project')
         dsl.creat_tables()
```

create table if not exists shift

```
schedule['start_time'] = list(map(lambda x: dsl.convert_time_format(x),
                                            schedule['start_time']))
          shift['from_time'] = list(map(lambda x: dsl.convert_time_format(x),
                                        shift['from_time']))
          schedule['date'] = list(map(lambda x: dsl.convert_date_format(x),
                                      schedule['date']))
          dsl.insert_into_tables(department, 'department')
          dsl.insert_into_tables(shift, 'shift')
          dsl.insert_into_tables(schedule, 'schedule')
          dsl.insert_into_tables(employees, 'employees')
SQL Query
In []: select e.lastname as LAST, e.firstname as FIRST, e.cellphone as CELL,
               s.date as DATE, d.department_name as DEPT,
               date_format(s.start_time, '%I%p') as START, s.shift_length as SHIFT_LENGTH
        from department as d, employees as e, schedule as s
        where s.dept=d.department_name
        and s.empid=e.empid
        order by LAST, DATE, SHIFT_LENGTH asc, DEPT desc limit 50;
display results
In [315]: query = '''
              select e.lastname as LAST, e.firstname as FIRST, e.cellphone as CELL,
                 s.date as DATE, d.department_name as DEPT,
                 date_format(s.start_time, '%I%p') as START, s.shift_length as SHIFT_LENGTH
          from department as d, employees as e, schedule as s
          where s.dept=d.department_name
          and s.empid=e.empid
          order by LAST, DATE, START, SHIFT_LENGTH asc, DEPT desc limit 50;
          df = pd.read_sql(query, dsl.db)
          #print(df.to_latex())
```

Ault   Rosendo   (571)7252-4785   2018-09-24   CARDIOLOGY   03PM   Rosendo   (571)7252-4785   2018-09-25   ONCOLOGY   03PM   0	T_LENGTH
Ault   Rosendo   (571)7252-4785   2018-09-25   ONCOLOGY   03PM	8
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4         Ault         Rosendo         (571)7252-4785         2018-09-28         ONCOLOGY         03PM           5         Ault         Rosendo         (571)7252-4785         2018-09-29         CARDIOLOGY         07AM           6         Ault         Rosendo         (571)7252-4785         2018-10-01         CARDIOLOGY         03PM           7         Ault         Rosendo         (571)7252-4785         2018-10-02         ONCOLOGY         03PM           8         Ault         Rosendo         (571)7252-4785         2018-10-03         PEDIATRICS         07AM           9         Ault         Rosendo         (571)7252-4785         2018-10-04         PEDIATRICS         03PM           10         Ault         Rosendo         (571)7252-4785         2018-10-05         EMERGENCY         03PM           11         Ault         Rosendo         (571)7252-4785         2018-10-05         EMERGENCY         03PM           12         Ault         Rosendo         (571)7252-4785         2018-10-05         EMERGENCY         03PM           12         Ault         Rosendo         (571)7252-4785         2018-10-05         EMERGENCY         03PM           12         Ault         Rosendo         (571)7252-	8
5         Ault         Rosendo         (571)7252-4785         2018-09-29         CARDIOLOGY         07AM           6         Ault         Rosendo         (571)7252-4785         2018-10-01         CARDIOLOGY         03PM           7         Ault         Rosendo         (571)7252-4785         2018-10-02         ONCOLOGY         03PM           8         Ault         Rosendo         (571)7252-4785         2018-10-04         EMERGENCY         03PM           9         Ault         Rosendo         (571)7252-4785         2018-10-04         EMERGENCY         03PM           10         Ault         Rosendo         (571)7252-4785         2018-10-05         EMERGENCY         03PM           12         Ault         Rosendo         (571)7252-4785         2018-10-05         EMERGENCY         03PM           13         Beaver         Viva         (612)7951-8931         2018-09-25         MATERNITY         03PM           14         Beaver         Viva         (612)7951-8931         2018-09-26         ONCOLOGY         07AM           16         Beaver         Viva         (612)7951-8931         2018-09-26         INTENSIVE CARE         07AM           17         Beaver         Viva         (612)7951-	8
6         Ault         Rosendo         (571)7252-4785         2018-10-01         CARDIOLOGY         03PM           7         Ault         Rosendo         (571)7252-4785         2018-10-02         ONCOLOGY         03PM           8         Ault         Rosendo         (571)7252-4785         2018-10-03         PEDIATRICS         07AM           9         Ault         Rosendo         (571)7252-4785         2018-10-04         EMERGENCY         03PM           10         Ault         Rosendo         (571)7252-4785         2018-10-05         EMERGENCY         03PM           11         Ault         Rosendo         (571)7252-4785         2018-10-05         EMERGENCY         03PM           12         Ault         Rosendo         (571)7252-4785         2018-10-05         EMERGENCY         07AM           15         Beaver         Viva         (612)7951-	8
7         Ault         Rosendo         (571)7252-4785         2018-10-02         ONCOLOGY         03PM           8         Ault         Rosendo         (571)7252-4785         2018-10-03         PEDIATRICS         07AM           9         Ault         Rosendo         (571)7252-4785         2018-10-04         EMERGENCY         03PM           10         Ault         Rosendo         (571)7252-4785         2018-10-05         EMERGENCY         03PM           11         Ault         Rosendo         (571)7252-4785         2018-10-05         EMERGENCY         03PM           12         Ault         Rosendo         (571)7252-4785         2018-10-05         EMERGENCY         03PM           12         Ault         Rosendo         (571)7252-4785         2018-00-05         EMERGENCY         03PM           13         Beaver         Viva         (612)7951-8931         2018-09-26         MATERNITY         03PM           14         Beaver         Viva         (612)7951-8931         2018-09-26         ONCOLOGY         07AM           17         Beaver         Viva         (612)7951-8931         2018-09-26         INTENSIVE CARE         07AM           19         Beaver         Viva         (612)7951	12
8         Ault         Rosendo         (571)7252-4785         2018-10-03         PEDIATRICS         07AM           9         Ault         Rosendo         (571)7252-4785         2018-10-04         EMERGENCY         03PM           10         Ault         Rosendo         (571)7252-4785         2018-10-04         RADIOLOGY         11PM           11         Ault         Rosendo         (571)7252-4785         2018-10-07         CARDIOLOGY         07PM           12         Ault         Rosendo         (571)7252-4785         2018-10-07         CARDIOLOGY         07PM           13         Beaver         Viva         (612)7951-8931         2018-09-25         MATERNITY         03PM           14         Beaver         Viva         (612)7951-8931         2018-09-26         ONCOLOGY         07AM           15         Beaver         Viva         (612)7951-8931         2018-09-26         ONCOLOGY         07AM           16         Beaver         Viva         (612)7951-8931         2018-09-26         ONCOLOGY         07AM           19         Beaver         Viva         (612)7951-8931         2018-09-26         CARDIOLOGY         07AM           20         Beaver         Viva         (612)7951-893	8
9         Ault         Rosendo         (571)7252-4785         2018-10-04         EMERGENCY         03PM           10         Ault         Rosendo         (571)7252-4785         2018-10-05         RADIOLOGY         11PM           11         Ault         Rosendo         (571)7252-4785         2018-10-07         EMERGENCY         03PM           12         Ault         Rosendo         (571)7252-4785         2018-10-07         CARDIOLOGY         07PM           13         Beaver         Viva         (612)7951-8931         2018-09-25         MATERNITY         03PM           14         Beaver         Viva         (612)7951-8931         2018-09-25         EMERGENCY         07AM           15         Beaver         Viva         (612)7951-8931         2018-09-26         ONCOLOGY         07AM           16         Beaver         Viva         (612)7951-8931         2018-09-26         ONCOLOGY         07AM           17         Beaver         Viva         (612)7951-8931         2018-09-26         INTENSIVE CARE         07AM           19         Beaver         Viva         (612)7951-8931         2018-10-03         RADIOLOGY         07AM           20         Beaver         Viva         (612)7951-	8
10	8
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12	8
13   Beaver   Viva   (612)7951-8931   2018-09-25   MATERNITY   03PM     14   Beaver   Viva   (612)7951-8931   2018-09-25   EMERGENCY   07AM     15   Beaver   Viva   (612)7951-8931   2018-09-26   ONCOLOGY   07AM     16   Beaver   Viva   (612)7951-8931   2018-09-26   ONCOLOGY   07AM     17   Beaver   Viva   (612)7951-8931   2018-09-26   INTENSIVE CARE   07AM     18   Beaver   Viva   (612)7951-8931   2018-09-27   PEDIATRICS   11PM     19   Beaver   Viva   (612)7951-8931   2018-09-27   PEDIATRICS   11PM     19   Beaver   Viva   (612)7951-8931   2018-10-02   INTENSIVE CARE   07AM     20   Beaver   Viva   (612)7951-8931   2018-10-02   INTENSIVE CARE   07AM     21   Beaver   Viva   (612)7951-8931   2018-10-03   PEDIATRICS   11PM     22   Beaver   Viva   (612)7951-8931   2018-10-07   PEDIATRICS   11PM     23   Beaver   Viva   (612)7951-8931   2018-10-07   PEDIATRICS   07PM     24   Beaver   Viva   (612)7951-8931   2018-10-07   MATERNITY   07PM     25   Beaver   Viva   (612)7951-8931   2018-10-07   EMERGENCY   07PM     26   Berryman   Sabrina   (806)6465-4545   2018-10-07   EMERGENCY   07AM     27   Berryman   Sabrina   (806)6465-4545   2018-09-24   EMERGENCY   07AM     28   Berryman   Sabrina   (806)6465-4545   2018-09-28   CARDIOLOGY   03PM     29   Berryman   Sabrina   (806)6465-4545   2018-10-03   SURGERY   03PM     30   Berryman   Sabrina   (806)6465-4545   2018-10-04   EMERGENCY   03PM     31   Berryman   Sabrina   (806)6465-4545   2018-10-04   EMERGENCY   03PM     32   Berryman   Sabrina   (806)6465-4545   2018-10-04   EMERGENCY   03PM     33   Berryman   Sabrina   (806)6465-4545   2018-10-04   EMERGENCY   03PM     34   Berryman   Sabrina   (806)6465-4545   2018-10-04   EMERGENCY   03PM     35   Berryman   Sabrina   (806)6465-4545   2018-10-04   EMERGENCY   03PM     36   Berryman   Sabrina   (806)6465-4545   2018-10-06   ONCOLOGY   07AM     37   Blagg   Lorenzo   (863)2419-9105   2018-09-27   INTENSIVE CARE   03PM     38   Blagg   Lorenzo   (863)2419-9105   2018-10-01   CARDIOLOGY   03PM     40   Blagg   Lorenz	8
14   Beaver   Viva   (612)7951-8931   2018-09-25   EMERGENCY   07AM   16   Beaver   Viva   (612)7951-8931   2018-09-26   ONCOLOGY   07AM   17   Beaver   Viva   (612)7951-8931   2018-09-26   ONCOLOGY   07AM   18   Beaver   Viva   (612)7951-8931   2018-09-26   INTENSIVE CARE   07AM   18   Beaver   Viva   (612)7951-8931   2018-09-27   PEDIATRICS   11PM   19   Beaver   Viva   (612)7951-8931   2018-09-27   CARDIOLOGY   07AM   20   Beaver   Viva   (612)7951-8931   2018-10-02   INTENSIVE CARE   07AM   21   Beaver   Viva   (612)7951-8931   2018-10-02   INTENSIVE CARE   07AM   22   Beaver   Viva   (612)7951-8931   2018-10-03   PEDIATRICS   11PM   122   Beaver   Viva   (612)7951-8931   2018-10-06   RADIOLOGY   07AM   23   Beaver   Viva   (612)7951-8931   2018-10-07   MATERNITY   07PM   24   Beaver   Viva   (612)7951-8931   2018-10-07   MATERNITY   07PM   25   Beaver   Viva   (612)7951-8931   2018-10-07   EMERGENCY   07PM   26   Berryman   Sabrina   (806)6465-4545   2018-09-28   CARDIOLOGY   07AM   27   Berryman   Sabrina   (806)6465-4545   2018-09-28   CARDIOLOGY   07AM   29   Berryman   Sabrina   (806)6465-4545   2018-09-29   CARDIOLOGY   07AM   29   Berryman   Sabrina   (806)6465-4545   2018-10-03   SURGERY   03PM   30   Berryman   Sabrina   (806)6465-4545   2018-10-04   EMERGENCY   03PM   31   Berryman   Sabrina   (806)6465-4545   2018-10-04   EMERGENCY   03PM   32   Berryman   Sabrina   (806)6465-4545   2018-10-04   MATERNITY   07AM   36   Berryman   Sabrina   (806)6465-4545   2018-10-06   MATERNITY   07AM   37   Blagg   Lorenzo   (863)2419-9105   2018-09-26   EMERGENCY   03PM   38   Blagg   Lorenzo   (863)2419-9105   2018-09-27   INTENSIVE CARE   03PM   39   Blagg   Lorenzo   (863)2419-9105   2018-09-27   SURGERY   03PM   39   Blagg   Lorenzo   (863)2419-9105   2018-09-27   SURGERY   03PM   39   Blagg   Lorenzo   (863)2419-9105   2018-10-01   CARDIOLOGY   03PM   30   Blagg   Lorenzo   (863)2419-9105   2018-10-01   CARDIOLOGY   03PM   30   Blagg   Lorenzo   (863)2419-9105   2018-10-01   CARDIOLOGY   03PM   30   Bla	12
15   Beaver   Viva   (612)7951-8931   2018-09-26   ONCOLOGY   O7AM     16   Beaver   Viva   (612)7951-8931   2018-09-26   ONCOLOGY   O7AM     17   Beaver   Viva   (612)7951-8931   2018-09-26   INTENSIVE CARE     18   Beaver   Viva   (612)7951-8931   2018-09-26   INTENSIVE CARE     19   Beaver   Viva   (612)7951-8931   2018-09-27   PEDIATRICS   11PM     19   Beaver   Viva   (612)7951-8931   2018-00-28   CARDIOLOGY   O7AM     20   Beaver   Viva   (612)7951-8931   2018-10-02   INTENSIVE CARE   O7AM     21   Beaver   Viva   (612)7951-8931   2018-10-03   PEDIATRICS   11PM     22   Beaver   Viva   (612)7951-8931   2018-10-06   RADIOLOGY   O7AM     23   Beaver   Viva   (612)7951-8931   2018-10-07   PEDIATRICS   O7PM     24   Beaver   Viva   (612)7951-8931   2018-10-07   DEDIATRICS   O7PM     25   Beaver   Viva   (612)7951-8931   2018-10-07   EMERGENCY   O7PM     26   Berryman   Sabrina   (806)6465-4545   2018-09-24   EMERGENCY   O7AM     27   Berryman   Sabrina   (806)6465-4545   2018-09-24   EMERGENCY   O7AM     28   Berryman   Sabrina   (806)6465-4545   2018-09-29   CARDIOLOGY   O3PM     28   Berryman   Sabrina   (806)6465-4545   2018-10-03   SURGERY   O3PM     30   Berryman   Sabrina   (806)6465-4545   2018-10-04   EMERGENCY   O3PM     31   Berryman   Sabrina   (806)6465-4545   2018-10-04   EMERGENCY   O3PM     32   Berryman   Sabrina   (806)6465-4545   2018-10-04   INTENSIVE CARE   11PM     33   Berryman   Sabrina   (806)6465-4545   2018-10-04   INTENSIVE CARE   11PM     34   Berryman   Sabrina   (806)6465-4545   2018-10-06   ONCOLOGY   O7AM     35   Berryman   Sabrina   (806)6465-4545   2018-10-06   ONCOLOGY   O7AM     36   Berryman   Sabrina   (806)6465-4545   2018-10-06   ONCOLOGY   O7AM     37   Blagg   Lorenzo   (863)2419-9105   2018-09-29   SURGERY   O7PM     40   Blagg   Lorenzo   (863)2419-91	8
16   Beaver   Viva   (612)7951-8931   2018-09-26   ONCOLOGY   O7AM     17   Beaver   Viva   (612)7951-8931   2018-09-26   INTENSIVE CARE   O7AM     18   Beaver   Viva   (612)7951-8931   2018-09-27   PEDIATRICS   11PM     19   Beaver   Viva   (612)7951-8931   2018-09-28   CARDIOLOGY   O7AM     20   Beaver   Viva   (612)7951-8931   2018-10-02   INTENSIVE CARE   O7AM     21   Beaver   Viva   (612)7951-8931   2018-10-03   PEDIATRICS   11PM     22   Beaver   Viva   (612)7951-8931   2018-10-06   RADIOLOGY   O7AM     23   Beaver   Viva   (612)7951-8931   2018-10-07   PEDIATRICS   O7PM     24   Beaver   Viva   (612)7951-8931   2018-10-07   PEDIATRICS   O7PM     25   Beaver   Viva   (612)7951-8931   2018-10-07   PEDIATRICS   O7PM     26   Berryman   Sabrina   (806)6465-4545   2018-09-24   EMERGENCY   O7AM     27   Berryman   Sabrina   (806)6465-4545   2018-09-28   CARDIOLOGY   O3PM     28   Berryman   Sabrina   (806)6465-4545   2018-09-29   CARDIOLOGY   O7AM     29   Berryman   Sabrina   (806)6465-4545   2018-09-29   CARDIOLOGY   O7AM     29   Berryman   Sabrina   (806)6465-4545   2018-10-03   SURGERY   O3PM     30   Berryman   Sabrina   (806)6465-4545   2018-10-04   EMERGENCY   O3PM     31   Berryman   Sabrina   (806)6465-4545   2018-10-04   EMERGENCY   O3PM     32   Berryman   Sabrina   (806)6465-4545   2018-10-04   INTENSIVE CARE   11PM     33   Berryman   Sabrina   (806)6465-4545   2018-10-04   ONCOLOGY   O7AM     34   Berryman   Sabrina   (806)6465-4545   2018-10-06   PEDIATRICS   O7AM     35   Berryman   Sabrina   (806)6465-4545   2018-10-06   ONCOLOGY   O7AM     36   Berryman   Sabrina   (806)6465-4545   2018-10-06   EMERGENCY   O7AM     37   Blagg   Lorenzo   (863)2419-9105   2018-09-29   SURGERY   O7PM     39   Blagg   Lorenzo   (863)2419-9105   2018-09-29   SURGERY   O7PM     40   Blagg   Lorenzo   (863)2419-9105   2018-10-01   CARDIOLOGY   O3PM     41   Blagg   Lorenzo   (863)2419-9105   2018-10-03   ONCOLOGY   O3PM     41   Blagg   Lorenzo   (863)2419-9105   2018-10-03   ONCOLOGY   O3PM     41   Blagg   Lo	8
17	8
18         Beaver         Viva         (612)7951-8931         2018-09-27         PEDIATRICS         11PM           19         Beaver         Viva         (612)7951-8931         2018-09-28         CARDIOLOGY         07AM           20         Beaver         Viva         (612)7951-8931         2018-10-02         INTENSIVE CARE         07AM           21         Beaver         Viva         (612)7951-8931         2018-10-03         PEDIATRICS         11PM           22         Beaver         Viva         (612)7951-8931         2018-10-06         RADIOLOGY         07AM           23         Beaver         Viva         (612)7951-8931         2018-10-07         PEDIATRICS         07PM           24         Beaver         Viva         (612)7951-8931         2018-10-07         PEDIATRICS         07PM           25         Beaver         Viva         (612)7951-8931         2018-10-07         PEDIATRICS         07PM           26         Berryman         Sabrina         (806)6465-4545         2018-10-07         EMERGENCY         07PM           26         Berryman         Sabrina         (806)6465-4545         2018-09-29         CARDIOLOGY         03PM           29         Berryman         Sabrina	8
18         Beaver         Viva         (612)7951-8931         2018-09-27         PEDIATRICS         11PM           19         Beaver         Viva         (612)7951-8931         2018-09-28         CARDIOLOGY         07AM           20         Beaver         Viva         (612)7951-8931         2018-10-02         INTENSIVE CARE         07AM           21         Beaver         Viva         (612)7951-8931         2018-10-03         PEDIATRICS         11PM           22         Beaver         Viva         (612)7951-8931         2018-10-06         RADIOLOGY         07AM           23         Beaver         Viva         (612)7951-8931         2018-10-07         PEDIATRICS         07PM           24         Beaver         Viva         (612)7951-8931         2018-10-07         PEDIATRICS         07PM           25         Beaver         Viva         (612)7951-8931         2018-10-07         PEDIATRICS         07PM           26         Berryman         Sabrina         (806)6465-4545         2018-10-07         EMERGENCY         07PM           26         Berryman         Sabrina         (806)6465-4545         2018-09-29         CARDIOLOGY         07AM           29         Berryman         Sabrina	8
20         Beaver         Viva         (612)7951-8931         2018-10-02         INTENSIVE CARE         07AM           21         Beaver         Viva         (612)7951-8931         2018-10-03         PEDIATRICS         11PM           22         Beaver         Viva         (612)7951-8931         2018-10-06         RADIOLOGY         07AM           23         Beaver         Viva         (612)7951-8931         2018-10-07         PEDIATRICS         07PM           24         Beaver         Viva         (612)7951-8931         2018-10-07         MATERNITY         07PM           25         Beaver         Viva         (612)7951-8931         2018-10-07         EMERGENCY         07PM           26         Berryman         Sabrina         (806)6465-4545         2018-09-24         EMERGENCY         07AM           27         Berryman         Sabrina         (806)6465-4545         2018-09-29         CARDIOLOGY         07AM           29         Berryman         Sabrina         (806)6465-4545         2018-10-03         SURGERY         03PM           30         Berryman         Sabrina         (806)6465-4545         2018-10-04         MCCOLOGY         07AM           31         Berryman         Sabrina	8
20         Beaver         Viva         (612)7951-8931         2018-10-02         INTENSIVE CARE         07AM           21         Beaver         Viva         (612)7951-8931         2018-10-03         PEDIATRICS         11PM           22         Beaver         Viva         (612)7951-8931         2018-10-06         RADIOLOGY         07AM           23         Beaver         Viva         (612)7951-8931         2018-10-07         PEDIATRICS         07PM           24         Beaver         Viva         (612)7951-8931         2018-10-07         MATERNITY         07PM           25         Beaver         Viva         (612)7951-8931         2018-10-07         EMERGENCY         07PM           26         Berryman         Sabrina         (806)6465-4545         2018-09-24         EMERGENCY         07AM           27         Berryman         Sabrina         (806)6465-4545         2018-09-29         CARDIOLOGY         07AM           29         Berryman         Sabrina         (806)6465-4545         2018-10-03         SURGERY         03PM           30         Berryman         Sabrina         (806)6465-4545         2018-10-04         MCCOLOGY         07AM           31         Berryman         Sabrina	8
21         Beaver         Viva         (612)7951-8931         2018-10-03         PEDIATRICS         11PM           22         Beaver         Viva         (612)7951-8931         2018-10-06         RADIOLOGY         07AM           23         Beaver         Viva         (612)7951-8931         2018-10-07         PEDIATRICS         07PM           24         Beaver         Viva         (612)7951-8931         2018-10-07         MATERNITY         07PM           25         Beaver         Viva         (612)7951-8931         2018-10-07         EMERGENCY         07PM           26         Berryman         Sabrina         (806)6465-4545         2018-09-24         EMERGENCY         07AM           27         Berryman         Sabrina         (806)6465-4545         2018-09-28         CARDIOLOGY         03PM           28         Berryman         Sabrina         (806)6465-4545         2018-09-29         CARDIOLOGY         07AM           30         Berryman         Sabrina         (806)6465-4545         2018-10-03         SURGERY         03PM           31         Berryman         Sabrina         (806)6465-4545         2018-10-04         INTENSIVE CARE         11PM           32         Berryman         Sabri	8
23         Beaver         Viva         (612)7951-8931         2018-10-07         PEDIATRICS         07PM           24         Beaver         Viva         (612)7951-8931         2018-10-07         MATERNITY         07PM           25         Beaver         Viva         (612)7951-8931         2018-10-07         EMERGENCY         07PM           26         Berryman         Sabrina         (806)6465-4545         2018-09-24         EMERGENCY         07AM           27         Berryman         Sabrina         (806)6465-4545         2018-09-28         CARDIOLOGY         03PM           28         Berryman         Sabrina         (806)6465-4545         2018-09-29         CARDIOLOGY         07AM           29         Berryman         Sabrina         (806)6465-4545         2018-10-03         SURGERY         03PM           30         Berryman         Sabrina         (806)6465-4545         2018-10-04         EMERGENCY         03PM           31         Berryman         Sabrina         (806)6465-4545         2018-10-04         INTENSIVE CARE         11PM           32         Berryman         Sabrina         (806)6465-4545         2018-10-06         PEDIATRICS         07AM           34         Berryman	8
23         Beaver         Viva         (612)7951-8931         2018-10-07         PEDIATRICS         07PM           24         Beaver         Viva         (612)7951-8931         2018-10-07         MATERNITY         07PM           25         Beaver         Viva         (612)7951-8931         2018-10-07         EMERGENCY         07PM           26         Berryman         Sabrina         (806)6465-4545         2018-09-24         EMERGENCY         07AM           27         Berryman         Sabrina         (806)6465-4545         2018-09-28         CARDIOLOGY         03PM           28         Berryman         Sabrina         (806)6465-4545         2018-09-29         CARDIOLOGY         07AM           29         Berryman         Sabrina         (806)6465-4545         2018-10-03         SURGERY         03PM           30         Berryman         Sabrina         (806)6465-4545         2018-10-04         EMERGENCY         03PM           31         Berryman         Sabrina         (806)6465-4545         2018-10-04         INTENSIVE CARE         11PM           32         Berryman         Sabrina         (806)6465-4545         2018-10-06         PEDIATRICS         07AM           34         Berryman	12
24         Beaver         Viva         (612)7951-8931         2018-10-07         MATERNITY         07PM           25         Beaver         Viva         (612)7951-8931         2018-10-07         EMERGENCY         07PM           26         Berryman         Sabrina         (806)6465-4545         2018-09-24         EMERGENCY         07AM           27         Berryman         Sabrina         (806)6465-4545         2018-09-28         CARDIOLOGY         03PM           28         Berryman         Sabrina         (806)6465-4545         2018-09-29         CARDIOLOGY         07AM           29         Berryman         Sabrina         (806)6465-4545         2018-10-03         SURGERY         03PM           30         Berryman         Sabrina         (806)6465-4545         2018-10-04         EMERGENCY         03PM           31         Berryman         Sabrina         (806)6465-4545         2018-10-04         ONCOLOGY         11PM           32         Berryman         Sabrina         (806)6465-4545         2018-10-04         INTENSIVE CARE         11PM           33         Berryman         Sabrina         (806)6465-4545         2018-10-06         ONCOLOGY         07AM           34         Berryman	12
25         Beaver         Viva         (612)7951-8931         2018-10-07         EMERGENCY         07PM           26         Berryman         Sabrina         (806)6465-4545         2018-09-24         EMERGENCY         07AM           27         Berryman         Sabrina         (806)6465-4545         2018-09-28         CARDIOLOGY         03PM           28         Berryman         Sabrina         (806)6465-4545         2018-09-29         CARDIOLOGY         07AM           29         Berryman         Sabrina         (806)6465-4545         2018-10-03         SURGERY         03PM           30         Berryman         Sabrina         (806)6465-4545         2018-10-04         EMERGENCY         03PM           31         Berryman         Sabrina         (806)6465-4545         2018-10-04         ONCOLOGY         11PM           32         Berryman         Sabrina         (806)6465-4545         2018-10-04         INTENSIVE CARE         11PM           33         Berryman         Sabrina         (806)6465-4545         2018-10-06         ONCOLOGY         07AM           34         Berryman         Sabrina         (806)6465-4545         2018-10-06         MATERNITY         07AM           36         Berryman	12
26         Berryman         Sabrina         (806)6465-4545         2018-09-24         EMERGENCY         07AM           27         Berryman         Sabrina         (806)6465-4545         2018-09-28         CARDIOLOGY         03PM           28         Berryman         Sabrina         (806)6465-4545         2018-09-29         CARDIOLOGY         07AM           29         Berryman         Sabrina         (806)6465-4545         2018-10-03         SURGERY         03PM           30         Berryman         Sabrina         (806)6465-4545         2018-10-04         EMERGENCY         03PM           31         Berryman         Sabrina         (806)6465-4545         2018-10-04         ONCOLOGY         11PM           32         Berryman         Sabrina         (806)6465-4545         2018-10-04         INTENSIVE CARE         11PM           33         Berryman         Sabrina         (806)6465-4545         2018-10-06         PEDIATRICS         07AM           34         Berryman         Sabrina         (806)6465-4545         2018-10-06         MATERNITY         07AM           35         Berryman         Sabrina         (806)6465-4545         2018-10-07         CARDIOLOGY         07AM           36         Berryma	12
27         Berryman         Sabrina         (806)6465-4545         2018-09-28         CARDIOLOGY         03PM           28         Berryman         Sabrina         (806)6465-4545         2018-09-29         CARDIOLOGY         07AM           29         Berryman         Sabrina         (806)6465-4545         2018-10-03         SURGERY         03PM           30         Berryman         Sabrina         (806)6465-4545         2018-10-04         EMERGENCY         03PM           31         Berryman         Sabrina         (806)6465-4545         2018-10-04         ONCOLOGY         11PM           32         Berryman         Sabrina         (806)6465-4545         2018-10-04         INTENSIVE CARE         11PM           33         Berryman         Sabrina         (806)6465-4545         2018-10-06         PEDIATRICS         07AM           34         Berryman         Sabrina         (806)6465-4545         2018-10-06         ONCOLOGY         07AM           35         Berryman         Sabrina         (806)6465-4545         2018-10-06         MATERNITY         07AM           36         Berryman         Sabrina         (806)6465-4545         2018-09-26         EMERGENCY         07AM           37         Blagg <td>8</td>	8
28         Berryman         Sabrina         (806)6465-4545         2018-09-29         CARDIOLOGY         07AM           29         Berryman         Sabrina         (806)6465-4545         2018-10-03         SURGERY         03PM           30         Berryman         Sabrina         (806)6465-4545         2018-10-04         EMERGENCY         03PM           31         Berryman         Sabrina         (806)6465-4545         2018-10-04         ONCOLOGY         11PM           32         Berryman         Sabrina         (806)6465-4545         2018-10-04         INTENSIVE CARE         11PM           33         Berryman         Sabrina         (806)6465-4545         2018-10-06         PEDIATRICS         07AM           34         Berryman         Sabrina         (806)6465-4545         2018-10-06         ONCOLOGY         07AM           35         Berryman         Sabrina         (806)6465-4545         2018-10-06         MATERNITY         07AM           36         Berryman         Sabrina         (806)6465-4545         2018-10-07         CARDIOLOGY         07AM           37         Blagg         Lorenzo         (863)2419-9105         2018-09-26         EMERGENCY         07AM           38         Blagg	8
29         Berryman         Sabrina         (806)6465-4545         2018-10-03         SURGERY         03PM           30         Berryman         Sabrina         (806)6465-4545         2018-10-04         EMERGENCY         03PM           31         Berryman         Sabrina         (806)6465-4545         2018-10-04         ONCOLOGY         11PM           32         Berryman         Sabrina         (806)6465-4545         2018-10-04         INTENSIVE CARE         11PM           33         Berryman         Sabrina         (806)6465-4545         2018-10-06         PEDIATRICS         07AM           34         Berryman         Sabrina         (806)6465-4545         2018-10-06         ONCOLOGY         07AM           35         Berryman         Sabrina         (806)6465-4545         2018-10-06         MATERNITY         07AM           36         Berryman         Sabrina         (806)6465-4545         2018-10-07         CARDIOLOGY         07AM           37         Blagg         Lorenzo         (863)2419-9105         2018-09-26         EMERGENCY         07AM           38         Blagg         Lorenzo         (863)2419-9105         2018-09-27         INTENSIVE CARE         03PM           40         Blagg	12
30         Berryman         Sabrina         (806)6465-4545         2018-10-04         EMERGENCY         03PM           31         Berryman         Sabrina         (806)6465-4545         2018-10-04         ONCOLOGY         11PM           32         Berryman         Sabrina         (806)6465-4545         2018-10-04         INTENSIVE CARE         11PM           33         Berryman         Sabrina         (806)6465-4545         2018-10-06         PEDIATRICS         07AM           34         Berryman         Sabrina         (806)6465-4545         2018-10-06         ONCOLOGY         07AM           35         Berryman         Sabrina         (806)6465-4545         2018-10-06         MATERNITY         07AM           36         Berryman         Sabrina         (806)6465-4545         2018-10-07         CARDIOLOGY         07AM           37         Blagg         Lorenzo         (863)2419-9105         2018-09-26         EMERGENCY         07AM           38         Blagg         Lorenzo         (863)2419-9105         2018-09-27         INTENSIVE CARE         03PM           40         Blagg         Lorenzo         (863)2419-9105         2018-10-01         CARDIOLOGY         03PM           41         Blagg	8
31         Berryman         Sabrina         (806)6465-4545         2018-10-04         ONCOLOGY         11PM           32         Berryman         Sabrina         (806)6465-4545         2018-10-04         INTENSIVE CARE         11PM           33         Berryman         Sabrina         (806)6465-4545         2018-10-06         PEDIATRICS         07AM           34         Berryman         Sabrina         (806)6465-4545         2018-10-06         ONCOLOGY         07AM           35         Berryman         Sabrina         (806)6465-4545         2018-10-06         MATERNITY         07AM           36         Berryman         Sabrina         (806)6465-4545         2018-10-07         CARDIOLOGY         07AM           37         Blagg         Lorenzo         (863)2419-9105         2018-09-26         EMERGENCY         07AM           38         Blagg         Lorenzo         (863)2419-9105         2018-09-27         INTENSIVE CARE         03PM           39         Blagg         Lorenzo         (863)2419-9105         2018-09-29         SURGERY         07PM           40         Blagg         Lorenzo         (863)2419-9105         2018-10-01         CARDIOLOGY         03PM           41         Blagg	8
32         Berryman         Sabrina         (806)6465-4545         2018-10-04         INTENSIVE CARE         11PM           33         Berryman         Sabrina         (806)6465-4545         2018-10-06         PEDIATRICS         07AM           34         Berryman         Sabrina         (806)6465-4545         2018-10-06         ONCOLOGY         07AM           35         Berryman         Sabrina         (806)6465-4545         2018-10-06         MATERNITY         07AM           36         Berryman         Sabrina         (806)6465-4545         2018-10-07         CARDIOLOGY         07AM           37         Blagg         Lorenzo         (863)2419-9105         2018-09-26         EMERGENCY         07AM           38         Blagg         Lorenzo         (863)2419-9105         2018-09-27         INTENSIVE CARE         03PM           39         Blagg         Lorenzo         (863)2419-9105         2018-09-29         SURGERY         07PM           40         Blagg         Lorenzo         (863)2419-9105         2018-10-01         CARDIOLOGY         03PM           41         Blagg         Lorenzo         (863)2419-9105         2018-10-03         ONCOLOGY         03PM	8
33         Berryman         Sabrina         (806)6465-4545         2018-10-06         PEDIATRICS         07AM           34         Berryman         Sabrina         (806)6465-4545         2018-10-06         ONCOLOGY         07AM           35         Berryman         Sabrina         (806)6465-4545         2018-10-06         MATERNITY         07AM           36         Berryman         Sabrina         (806)6465-4545         2018-10-07         CARDIOLOGY         07AM           37         Blagg         Lorenzo         (863)2419-9105         2018-09-26         EMERGENCY         07AM           38         Blagg         Lorenzo         (863)2419-9105         2018-09-27         INTENSIVE CARE         03PM           39         Blagg         Lorenzo         (863)2419-9105         2018-09-29         SURGERY         07PM           40         Blagg         Lorenzo         (863)2419-9105         2018-10-01         CARDIOLOGY         03PM           41         Blagg         Lorenzo         (863)2419-9105         2018-10-03         ONCOLOGY         03PM	8
34         Berryman         Sabrina         (806)6465-4545         2018-10-06         ONCOLOGY         07AM           35         Berryman         Sabrina         (806)6465-4545         2018-10-06         MATERNITY         07AM           36         Berryman         Sabrina         (806)6465-4545         2018-10-07         CARDIOLOGY         07AM           37         Blagg         Lorenzo         (863)2419-9105         2018-09-26         EMERGENCY         07AM           38         Blagg         Lorenzo         (863)2419-9105         2018-09-27         INTENSIVE CARE         03PM           39         Blagg         Lorenzo         (863)2419-9105         2018-09-29         SURGERY         07PM           40         Blagg         Lorenzo         (863)2419-9105         2018-10-01         CARDIOLOGY         03PM           41         Blagg         Lorenzo         (863)2419-9105         2018-10-03         ONCOLOGY         03PM	12
35         Berryman         Sabrina         (806)6465-4545         2018-10-06         MATERNITY         07AM           36         Berryman         Sabrina         (806)6465-4545         2018-10-07         CARDIOLOGY         07AM           37         Blagg         Lorenzo         (863)2419-9105         2018-09-26         EMERGENCY         07AM           38         Blagg         Lorenzo         (863)2419-9105         2018-09-27         INTENSIVE CARE         03PM           39         Blagg         Lorenzo         (863)2419-9105         2018-09-29         SURGERY         07PM           40         Blagg         Lorenzo         (863)2419-9105         2018-10-01         CARDIOLOGY         03PM           41         Blagg         Lorenzo         (863)2419-9105         2018-10-03         ONCOLOGY         03PM	12
36         Berryman         Sabrina         (806)6465-4545         2018-10-07         CARDIOLOGY         07AM           37         Blagg         Lorenzo         (863)2419-9105         2018-09-26         EMERGENCY         07AM           38         Blagg         Lorenzo         (863)2419-9105         2018-09-27         INTENSIVE CARE         03PM           39         Blagg         Lorenzo         (863)2419-9105         2018-09-29         SURGERY         07PM           40         Blagg         Lorenzo         (863)2419-9105         2018-10-01         CARDIOLOGY         03PM           41         Blagg         Lorenzo         (863)2419-9105         2018-10-03         ONCOLOGY         03PM	12
37         Blagg         Lorenzo         (863)2419-9105         2018-09-26         EMERGENCY         07AM           38         Blagg         Lorenzo         (863)2419-9105         2018-09-27         INTENSIVE CARE         03PM           39         Blagg         Lorenzo         (863)2419-9105         2018-09-29         SURGERY         07PM           40         Blagg         Lorenzo         (863)2419-9105         2018-10-01         CARDIOLOGY         03PM           41         Blagg         Lorenzo         (863)2419-9105         2018-10-03         ONCOLOGY         03PM	12
38         Blagg         Lorenzo         (863)2419-9105         2018-09-27         INTENSIVE CARE         03PM           39         Blagg         Lorenzo         (863)2419-9105         2018-09-29         SURGERY         07PM           40         Blagg         Lorenzo         (863)2419-9105         2018-10-01         CARDIOLOGY         03PM           41         Blagg         Lorenzo         (863)2419-9105         2018-10-03         ONCOLOGY         03PM	8
39         Blagg         Lorenzo         (863)2419-9105         2018-09-29         SURGERY         07PM           40         Blagg         Lorenzo         (863)2419-9105         2018-10-01         CARDIOLOGY         03PM           41         Blagg         Lorenzo         (863)2419-9105         2018-10-03         ONCOLOGY         03PM	8
40   Blagg   Lorenzo   (863)2419-9105   2018-10-01   CARDIOLOGY   03PM   03PM	12
41   Blagg   Lorenzo   (863)2419-9105   2018-10-03   ONCOLOGY   03PM	8
	8
	8
43   Blagg   Lorenzo   (863)2419-9105   2018-10-05   ONCOLOGY   07AM	8
44   Blagg   Lorenzo   (863)2419-9105   2018-10-06   ONCOLOGY   07PM	12
45   Blagg   Lorenzo   (863)2419-9105   2018-10-07   ONCOLOGY   07PM	12
46   Catanzaro   Imelda   (220)3748-1866   2018-09-24   PEDIATRICS   07AM	8
47   Catanzaro   Imelda   (220)3748-1866   2018-09-30   ONCOLOGY   07PM	12
48   Catanzaro   Imelda   (220)3748-1866   2018-09-30   EMERGENCY   07PM	12
49   Catanzaro   Imelda   (220)3748-1866   2018-10-01   MATERNITY   03PM	8