

Holidays.dat (Holidays)-

Labor Day

Veteran's Day

MLK Day

Magicians Names(Magicians.dat) -

Dennis Kyriakos

Doria'n Rhodell

Alan

OUTPUT -

Your choices are:

1. S - Schedule
2. C - Cancel
3. T - Status
4. Q - Quit

Enter your command: **S**

Enter customer name: **John**

Enter Holiday name: **Labor Day**

Schedule confirmed for '**John**' with '**Dennis Kyriakos**' on '**Labor Day**'.

Schedule:

Magician/Holidays	Labor Day	MLK Day	Veteran's Day
Dennis Kyriakos	John		

Waiting list:

Your choices are:

1. S - Schedule
2. C - Cancel
3. T - Status
4. Q - Quit

Enter your command: **S**

Enter customer name: **Mike**

Enter Holiday name: **Veteran's Day**

Schedule confirmed for '**Mike**' with '**Dennis Kyriakos**' on '**Veteran's Day**'.

Schedule:

Magician/Holidays	Labor Day	MLK Day	Veteran's Day
Dennis Kyriakos	John		Mike

Waiting list:

Your choices are:

1. S - Schedule
2. C - Cancel
3. T - Status
4. Q - Quit

Enter your command: **S**

Enter customer name: **Sham**

Enter Holiday name: **MLK Day**

Schedule confirmed for '**Sham**' with '**Dennis Kyriakos**' on '**MLK Day**'.

Schedule:

Magician/Holidays	Labor Day	MLK Day	Veteran's Day
Dennis Kyriakos	John	Sham	Mike

Waiting list:

Your choices are:

1. S - Schedule
2. C - Cancel
3. T - Status
4. Q - Quit

Enter your command: **S**

Enter customer name: **John**

Enter Holiday name: **Veteran's Day**

Schedule confirmed for 'John' with 'Doria'n Rhodell' on 'Veteran's Day'.

Schedule:

Magician/Holidays	Labor Day	MLK Day	Veteran's Day
Dennis Kyriakos	John	Sham	Mike
Doria'n Rhodell			John

Waiting list:

Your choices are:

1. S - Schedule
2. C - Cancel
3. T - Status
4. Q - Quit

Enter your command: S

Enter customer name: Micheal

Enter Holiday name: Veteran's Day

Schedule confirmed for 'Micheal' with 'Alan' on 'Veteran's Day'.

Magician/Holidays	Labor Day	MLK Day	Veteran's Day
Dennis Kyriakos	John	Sham	Mike
Doria'n Rhodell			John
Alan			Micheal

Waiting list:

Your choices are:

1. S - Schedule
2. C - Cancel
3. T - Status
4. Q - Quit

Enter your command: S

Enter customer name: Smith

Enter Holiday name: Veteran's Day

Magicians not available for 'Veteran's Day'. Placed 'Smith' on waiting list.

Schedule:

Magician/Holidays	Labor Day	MLK Day	Veteran's Day
Dennis Kyriakos	John	Sham	Mike
Doria'n Rhodell			John
Alan			Micheal

Waiting list:

Veteran's Day = [Smith]

Your choices are:

1. S - Schedule
2. C - Cancel
3. T - Status
4. Q - Quit

Enter your command: C

Enter customer name: Micheal

Enter Holiday name: Veteran's Day

Schedule confirmed for 'Smith' with 'Alan' on 'Veteran's Day'.

Schedule:

Magician/Holidays	Labor Day	MLK Day	Veteran's Day
Dennis Kyriakos	John	Sham	Mike
Doria'n Rhodell			John
Alan			Smith

Waiting list:

Veteran's Day = []

Note - Micheal appointment cancelled and assigned Smith in the waiting list for the same day.

Your choices are:

1. S - Schedule
2. C - Cancel
3. T - Status
4. Q - Quit

Enter your command: **T**

Schedule:

Magician/Holidays	Labor Day	MLK Day	Veteran's Day
Dennis Kyriakos	John	Sham	Mike
Doria'n Rhodell			John
Alan			Smith

Waiting list:

Veteran's Day = []

Enter magician name or holiday name: **MLK Day**

Schedule for holiday '**MLK Day**':

Customer	Magician
Sham	Dennis Kyriakos

Your choices are:

1. S - Schedule
2. C - Cancel
3. T - Status
4. Q - Quit

Enter your command: **T**

Schedule:

Magician/Holidays	Labor Day	MLK Day	Veteran's Day
Dennis Kyriakos	John	Sham	Mike
Doria'n Rhodell			John
Alan			Smith

Waiting list:

Veteran's Day = []

Enter magician name or holiday name: **Dennis Kyriakos**

Schedule for magician '**Dennis Kyriakos**':

Holiday	Customer
Labor Day	John
MLK Day	Sham
Veteran's Day	Mike

Your choices are:

1. S - Schedule
2. C - Cancel
3. T - Status
4. Q - Quit

Enter your command: **Q**

Schedule:

Magician/Holidays	Labor Day	MLK Day	Veteran's Day
Dennis Kyriakos	John	Sham	Mike
Doria'n Rhodell			John
Alan			Smith

Waiting list:

Veteran's Day = []

Data will be saved in JSON file - Schedule.dat

```
{
  "bookings_by_holidays": {
    "Labor Day": {
      "John": "Dennis Kyriakos"
    },
    "Veteran's Day": {
      "John": "Doria'n Rhodell",
      "Mike": "Dennis Kyriakos",
      "Smith": "Alan"
    },
    "MLK Day": {
      "Sham": "Dennis Kyriakos"
    }
  },
}
```

```
"bookings_by_magicians": {  
  "Dennis Kyriakos": {  
    "Labor Day": "John",  
    "MLK Day": "Sham",  
    "Veteran's Day": "Mike"  
  },  
  "Doria'n Rhodell": {  
    "Veteran's Day": "John"  
  },  
  "Alan": {  
    "Veteran's Day": "Smith"  
  }  
},  
"waiting_list": {  
  "Veteran's Day": []  
}  
}
```