

Blackboard Coll... swish.swi-prolog.org

File ▾ Edit ▾ Examples ▾ Help ▾

406 users online

Search

Program +

```
1 hotel(sheraton).  
2 hotel(orchid).  
3 hotel(hilton).  
4 hotel(rotana).  
5 hotel(romeKings).  
6 hotel(impero).  
7 hotel(tango).  
8  
9 season(winter).  
10 season(summer).  
11 season(fall).  
12 season(spring).  
13  
14 sale(winter, "40%").  
15 sale(summer, "5%").  
16 sale(fall, "0%").  
17 sale(spring, "15%").  
18  
19 location(dubai,middleEast).  
20 location(jeddah,middleEast).  
21 location(makkah,middleEast).  
22 location(london,europe).  
23 location(california,america).  
24 location(paris,europe).  
25 location(egypt,africa).  
26  
27 city(dubai).  
28 city(jeddah).  
29 city(makkah).  
30 city(london).
```

regionList(Region, Hotel).

Region middleEast dubai, has sheraton
Region middleEast dubai, has rotana
Region middleEast dubai, has hilton
Region middleEast jeddah, has sheraton
Region middleEast jeddah, has hilton
Region middleEast makkah, has sheraton
Region middleEast makkah, has rotana
Region middleEast makkah, has hilton
Region europe london, has romeKings
Region europe london, has impero
Region europe london, has orchid
Region america california, has tango
Region america california, has sheraton
Region america california, has hilton
Region europe paris, has orchid
Region europe paris, has sheraton
Region europe paris, has hilton
Region europe paris, has tango
Region africa egypt, has rotana
Region africa egypt, has orchid
Region africa egypt, has hilton

?- regionList(Region, Hotel).

Examples ▾ History ▾ Solutions ▾

table results Run!

Blackboard Coll... swish.swi-prolog.org

File ▾ Edit ▾ Examples ▾ Help ▾

406 users online

Search

Program +

```
27 city(dubai).
28 city(jeddah).
29 city(makkah).
30 city(london).
31 city(california).
32 city(paris).
33 city(egypt).
34
35 hotelCity(sheraton, jeddah).
36 hotelCity(hilton, jeddah).
37 hotelCity(sheraton, makkah).
38 hotelCity(rotana, makkah).
39 hotelCity(hilton, makkah).
40 hotelCity(rotana, egypt).
41 hotelCity(orchid, egypt).
42 hotelCity(hilton, egypt).
43 hotelCity(sheraton, dubai).
44 hotelCity(rotana, dubai).
45 hotelCity(hilton, dubai).
46 hotelCity(romeKings, london).
47 hotelCity(impero, london).
48 hotelCity(orchid, london).
49 hotelCity(tango, california).
50 hotelCity(sheraton, california).
51 hotelCity(hilton, california).
52 hotelCity(orchid, paris).
53 hotelCity(sheraton, paris).
54 hotelCity(hilton, paris).
55 hotelCity(tango, paris).
56 service(sheraton, oneBedroom).
57 service(sheraton, suite).
```

regionList(Region, Hotel).

Region middleEast dubai, has sheraton
Region middleEast dubai, has rotana
Region middleEast dubai, has hilton
Region middleEast jeddah, has sheraton
Region middleEast jeddah, has hilton
Region middleEast makkah, has sheraton
Region middleEast makkah, has rotana
Region middleEast makkah, has hilton
Region europe london, has romeKings
Region europe london, has impero
Region europe london, has orchid
Region america california, has tango
Region america california, has sheraton
Region america california, has hilton
Region europe paris, has orchid
Region europe paris, has sheraton
Region europe paris, has hilton
Region europe paris, has tango
Region africa egypt, has rotana
Region africa egypt, has orchid
Region africa egypt, has hilton

?- regionList(Region, Hotel).

Examples ▾ History ▾ Solutions ▾

table results Run!

File ▾ Edit ▾ Examples ▾ Help ▾

Blackboard Coll... swish.swi-prolog.org

406 users online

Search

Program +

```
53 hotelCity(sheraton,paris).  
54 hotelCity(hilton,paris).  
55 hotelCity(tango,paris).  
56 service(sheraton,oneBedroom).  
57 service(sheraton,suite).  
58 service(sheraton,twoBedroom).  
59 service(sheraton,royal).  
60 service(sheraton,villa).  
61 service(orchid,oneBedroom).  
62 service(orchid,suite).  
63 service(orchid,twoBedroom).  
64 service(orchid,royal).  
65 service(hilton,oneBedroom).  
66 service(hilton,suite).  
67 service(hilton,twoBedroom).  
68 service(hilton,villa).  
69 service(rotana,oneBedroom).  
70 service(rotana,suite).  
71 service(rotana,twoBedroom).  
72 service(rotana,royal).  
73 service(romeKings,suite).  
74 service(romeKings,twoBedroom).  
75 service(romeKings,royal).  
76 service(romeKings,villa).  
77 service(impero,oneBedroom).  
78 service(impero,suite).  
79 service(impero,royal).  
80 service(tango,oneBedroom).  
81 service(tango,suite).  
82 service(tango,twoBedroom).  
83
```

regionList(Region, Hotel).

Region middleEast dubai, has sheraton
Region middleEast dubai, has rotana
Region middleEast dubai, has hilton
Region middleEast jeddah, has sheraton
Region middleEast jeddah, has hilton
Region middleEast makkah, has sheraton
Region middleEast makkah, has rotana
Region europe london, has romeKings
Region europe london, has impero
Region europe london, has orchid
Region america california, has tango
Region america california, has sheraton
Region america california, has hilton
Region europe paris, has orchid
Region europe paris, has sheraton
Region europe paris, has hilton
Region europe paris, has tango
Region africa egypt, has rotana
Region africa egypt, has orchid
Region africa egypt, has hilton

?- regionList(Region, Hotel).

Examples ▾ History ▾ Solutions ▾

table results Run!

File ▾ Edit ▾ Examples ▾ Help ▾

Blackboard Coll... swish.swi-prolog.org

406 users online

Search

Program +

```
%Rules
offer(Hotel,Season,Sale):-hotel(Hotel),
    sale(Season,Sale),
    write("Hotel "),
    write(Hotel),
    write(" \t Offers "),
    write(Sale),
    write(" \t In "),
    write(Season),
    nl,
    fail.

%%%%%%%%%%%%%
regionList(Region,Hotel):-
    location(City,Region),
    hotelCity(Hotel,City),
    write("Region "),
    write(Region),write(" \t "),
    write(City),write(" \t has "),
    write(Hotel),
    nl,
    fail.

%%%%%%%%%%%%%
everythingsale(Region,City,Hotel,Sale,Season):- location(City,Region),
    hotelCity(Hotel,City),
    sale(Season,Sale),
    write("Region"),
    write(Region),
    write(" \t City "),
    write(City),
    write(" \t has "),

regionList(Region, Hotel).
```

Region middleEast dubai, has sheraton
Region middleEast dubai, has rotana
Region middleEast dubai, has hilton
Region middleEast jeddah, has sheraton
Region middleEast jeddah, has hilton
Region middleEast makkah, has sheraton
Region middleEast makkah, has rotana
Region middleEast makkah, has hilton
Region europe london, has romeKings
Region europe london, has impero
Region europe london, has orchid
Region america california, has tango
Region america california, has sheraton
Region america california, has hilton
Region europe paris, has orchid
Region europe paris, has sheraton
Region europe paris, has hilton
Region europe paris, has tango
Region africa egypt, has rotana
Region africa egypt, has orchid
Region africa egypt, has hilton

?- regionList(Region, Hotel).

Examples ▾ History ▾ Solutions ▾

File ▾ Edit ▾ Examples ▾ Help ▾

Blackboard Coll... swish.swi-prolog.org

406 users online

Search

Program +

```
everythingsale(Region,City,Hotel,Sale,Season) :- location(City,Region),  
    hotelCity(Hotel,City),  
    sale(Season,Sale),  
    write("Regon"),  
    write(Region),  
    write("\t City "),  
    write(City),  
    write("\t has "),  
    write(Hotel),  
    write("\t Offers "),  
    write(Sale),  
    write("\t In "),  
    write(Season),  
    nl,  
    fail.  
%%%%%%%%%%%%%  
everythingservice(Region,City,Hotel,Service) :- location(City,Region),  
    hotelCity(Hotel,City),  
    service(Hotel,Service),  
    write("Region "),  
    write(Region),  
    write("\t City "),  
    write(City),  
    write("\t has "),  
    write(Hotel),  
    write("\t Offers "),  
    write(Service),  
    nl,  
    fail.
```

regionList(Region, Hotel).

Region middleEast dubai, has sheraton
Region middleEast dubai, has rotana
Region middleEast dubai, has hilton
Region middleEast jeddah, has sheraton
Region middleEast jeddah, has hilton
Region middleEast makkah, has sheraton
Region middleEast makkah, has rotana
Region middleEast makkah, has hilton
Region europe london, has romeKings
Region europe london, has impero
Region europe london, has orchid
Region america california, has tango
Region america california, has sheraton
Region america california, has hilton
Region europe paris, has orchid
Region europe paris, has sheraton
Region europe paris, has hilton
Region europe paris, has tango
Region africa egypt, has rotana
Region africa egypt, has orchid
Region africa egypt, has hilton

?- regionList(Region, Hotel).

Examples ▾ History ▾ Solutions ▾

Blackboard Coll... نظم التشغيل (T... swish.swi-prolog.org

File ▾ Edit ▾ Examples ▾ Help ▾ 406 users online Search

Program +

```
everythingsale(Region,City,Hotel,Sale,Season) :- location(City,Region),  
    hotelCity(Hotel,City),  
    sale(Season,Sale),  
    write("Region"),  
    write(Region),  
    write("\t City "),  
    write(City),  
    write("\t has "),  
    write(Hotel),  
    write("\t Offers "),  
    write(Sale),  
    write("\t In "),  
    write(Season),  
    nl,  
    fail.  
%%%%%%%%%%%%%  
everythingservice(Region,City,Hotel,Service) :- location(City,Region),  
    hotelCity(Hotel,City),  
    service(Hotel,Service),  
    write("Region "),  
    write(Region),  
    write("\t City "),  
    write(City),  
    write("\t has "),  
    write(Hotel),  
    write("\t Offers "),  
    write(Service),  
    nl,  
    fail.
```

offer(Hotel,Season,Sale).

Hotel sheraton Offers 40% In winter
Hotel sheraton Offers 5% In summer
Hotel sheraton Offers 0% In fall
Hotel sheraton Offers 15% In spring
Hotel orchid Offers 40% In winter
Hotel orchid Offers 5% In summer
Hotel orchid Offers 0% In fall
Hotel orchid Offers 15% In spring
Hotel hilton Offers 40% In winter
Hotel hilton Offers 5% In summer
Hotel hilton Offers 0% In fall
Hotel hilton Offers 15% In spring
Hotel rotana Offers 40% In winter
Hotel rotana Offers 5% In summer
Hotel rotana Offers 0% In fall
Hotel rotana Offers 15% In spring
Hotel romeKings Offers 40% In winter
Hotel romeKings Offers 5% In summer
Hotel romeKings Offers 0% In fall
Hotel romeKings Offers 15% In spring
Hotel impero Offers 40% In winter

?- offer(Hotel,Season,Sale).

Examples ▾ History ▾ Solutions ▾

table results Run!

Blackboard Coll... نظم التشغيل (T... swish.swi-prolog.org

File ▾ Edit ▾ Examples ▾ Help ▾

Search

406 users online

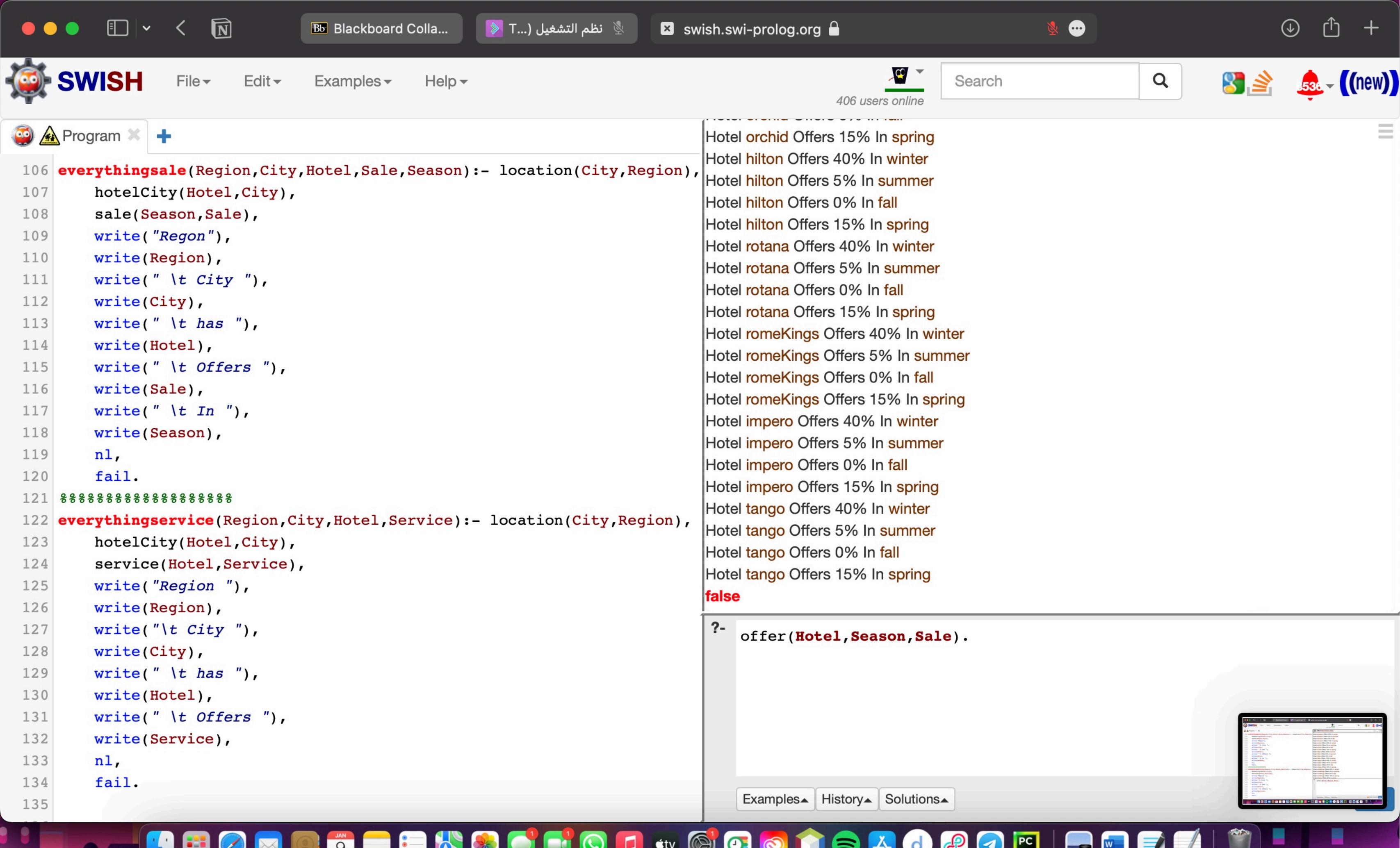
Program +

```
106 everythingsale(Region,City,Hotel,Sale,Season) :- location(City,Region),  
107     hotelCity(Hotel,City),  
108     sale(Season,Sale),  
109     write("Region"),  
110     write(Region),  
111     write("\t City "),  
112     write(City),  
113     write("\t has "),  
114     write(Hotel),  
115     write("\t Offers "),  
116     write(Sale),  
117     write("\t In "),  
118     write(Season),  
119     nl,  
120     fail.  
121 #####  
122 everythingservice(Region,City,Hotel,Service) :- location(City,Region),  
123     hotelCity(Hotel,City),  
124     service(Hotel,Service),  
125     write("Region "),  
126     write(Region),  
127     write("\t City "),  
128     write(City),  
129     write("\t has "),  
130     write(Hotel),  
131     write("\t Offers "),  
132     write(Service),  
133     nl,  
134     fail.  
135
```

Hotel orchid Offers 15% In spring
Hotel hilton Offers 40% In winter
Hotel hilton Offers 5% In summer
Hotel hilton Offers 0% In fall
Hotel hilton Offers 15% In spring
Hotel rotana Offers 40% In winter
Hotel rotana Offers 5% In summer
Hotel rotana Offers 0% In fall
Hotel rotana Offers 15% In spring
Hotel romeKings Offers 40% In winter
Hotel romeKings Offers 5% In summer
Hotel romeKings Offers 0% In fall
Hotel romeKings Offers 15% In spring
Hotel impero Offers 40% In winter
Hotel impero Offers 5% In summer
Hotel impero Offers 0% In fall
Hotel impero Offers 15% In spring
Hotel tango Offers 40% In winter
Hotel tango Offers 5% In summer
Hotel tango Offers 0% In fall
Hotel tango Offers 15% In spring
false

?- offer(Hotel,Season,Sale).

Examples ▾ History ▾ Solutions ▾



Blackboard Coll... نظم التشغيل (T... swish.swi-prolog.org

File ▾ Edit ▾ Examples ▾ Help ▾

406 users online

Search

Program +

```

106 everythingsale(Region,City,Hotel,Sale,Season) :- location(City,Region),
107     hotelCity(Hotel,City),
108     sale(Season,Sale),
109     write("Regon"),
110     write(Region),
111     write("\t City "),
112     write(City),
113     write("\t has "),
114     write(Hotel),
115     write("\t Offers "),
116     write(Sale),
117     write("\t In "),
118     write(Season),
119     nl,
120     fail.
121 #####
122 everythingservice(Region,City,Hotel,Service) :- location(City,Region),
123     hotelCity(Hotel,City),
124     service(Hotel,Service),
125     write("Region "),
126     write(Region),
127     write("\t City "),
128     write(City),
129     write("\t has "),
130     write(Hotel),
131     write("\t Offers "),
132     write(Service),
133     nl,
134     fail.
135

```

service(Hotel,Service).

Hotel	Service	
sheraton	oneBedroom	1
sheraton	suite	2
sheraton	twoBedroom	3
sheraton	royal	4
sheraton	villa	5
orchid	oneBedroom	6
orchid	suite	7
orchid	twoBedroom	8
orchid	royal	9
hilton	oneBedroom	10
hilton	suite	11
hilton	twoBedroom	12
hilton	villa	13
rotana	oneBedroom	14
rotana	suite	15
rotana	twoBedroom	16
rotana	royal	17
romeKings	suite	18
romeKings	twoBedroom	19

?- service(Hotel,Service).

Examples ▾ History ▾ Solutions ▾

table results Run!

Blackboard Coll... نظم التشغيل (...

swish.swi-prolog.org

406 users online

Search

Program

```

106 everythingsale(Region,City,Hotel,Sale,Season) :- location(City,Region),
107     hotelCity(Hotel,City),
108     sale(Season,Sale),
109     write("Regon"),
110     write(Region),
111     write("\t City "),
112     write(City),
113     write("\t has "),
114     write(Hotel),
115     write("\t Offers "),
116     write(Sale),
117     write("\t In "),
118     write(Season),
119     nl,
120     fail.

121 #####
122 everythingservice(Region,City,Hotel,Service) :- location(City,Region),
123     hotelCity(Hotel,City),
124     service(Hotel,Service),
125     write("Region "),
126     write(Region),
127     write("\t City "),
128     write(City),
129     write("\t has "),
130     write(Hotel),
131     write("\t Offers "),
132     write(Service),
133     nl,
134     fail.
135

```

orchid	suite
orchid	twoBedroom
orchid	royal
hilton	oneBedroom
hilton	suite
hilton	twoBedroom
hilton	villa
rotana	oneBedroom
rotana	suite
rotana	twoBedroom
rotana	royal
romeKings	suite
romeKings	twoBedroom
romeKings	royal
romeKings	villa
impero	oneBedroom
impero	suite
impero	royal
tango	oneBedroom
tango	suite
tango	twoBedroom

?- service(Hotel,Service).

Blackboard Coll... نظم التشغيل (T... swish.swi-prolog.org

File ▾ Edit ▾ Examples ▾ Help ▾

406 users online

Search

Program +

```

106 everythingsale(Region,City,Hotel,Sale,Season) :- location(City,Region),
107     hotelCity(Hotel,City),
108     sale(Season,Sale),
109     write("Regon"),
110     write(Region),
111     write("\t City "),
112     write(City),
113     write("\t has "),
114     write(Hotel),
115     write("\t Offers "),
116     write(Sale),
117     write("\t In "),
118     write(Season),
119     nl,
120     fail.

121 #####
122 everythingservice(Region,City,Hotel,Service) :- location(City,Region),
123     hotelCity(Hotel,City),
124     service(Hotel,Service),
125     write("Region "),
126     write(Region),
127     write("\t City "),
128     write(City),
129     write("\t has "),
130     write(Hotel),
131     write("\t Offers "),
132     write(Service),
133     nl,
134     fail.

135

```

rotana	oneBedroom	14
rotana	suite	15
rotana	twoBedroom	16
rotana	royal	17
romeKings	suite	18
romeKings	twoBedroom	19
romeKings	royal	20
romeKings	villa	21
impero	oneBedroom	22
impero	suite	23
impero	royal	24
tango	oneBedroom	25
tango	suite	26
tango	twoBedroom	27

sale(Season,Sale).

Season	Sale
winter	"40%"
summer	"5%"
fall	"0%"
spring	"15%"

?- **sale(Season,Sale).**

Examples ▾ History ▾ Solutions ▾

table results Run!

Blackboard Coll... Monday V-Cl... swish.swi-prolog.org

File ▾ Edit ▾ Examples ▾ Help ▾ 453 users online Search 🔎

Program +

```
107 hotelCity(Hotel,City),  
108 sale(Season,Sale),  
109 write("Region"),  
110 write(Region),  
111 write("\t City "),  
112 write(City),  
113 write("\t has "),  
114 write(Hotel),  
115 write("\t Offers "),  
116 write(Sale),  
117 write("\t In "),  
118 write(Season),  
119 nl,  
120 fail.  
121 #####  
122 everythingservice(Region,City,Hotel,Service):- location(City,Region),  
123 hotelCity(Hotel,City),  
124 service(Hotel,Service),  
125 write("Region "),  
126 write(Region),  
127 write("\t City "),  
128 write(City),  
129 write("\t has "),  
130 write(Hotel),  
131 write("\t Offers "),  
132 write(Service),  
133 nl,  
134 fail.  
135  
136
```

everythingsale(Region,City,Hotel,Sale,Season).

RegionmiddleEast City dubai has sheraton Offers 40% In winter
RegionmiddleEast City dubai has sheraton Offers 5% In summer
RegionmiddleEast City dubai has sheraton Offers 0% In fall
RegionmiddleEast City dubai has sheraton Offers 15% In spring
RegionmiddleEast City dubai has rotana Offers 40% In winter
RegionmiddleEast City dubai has rotana Offers 5% In summer
RegionmiddleEast City dubai has rotana Offers 0% In fall
RegionmiddleEast City dubai has rotana Offers 15% In spring
RegionmiddleEast City dubai has hilton Offers 40% In winter
RegionmiddleEast City dubai has hilton Offers 5% In summer
RegionmiddleEast City dubai has hilton Offers 0% In fall
RegionmiddleEast City dubai has hilton Offers 15% In spring
RegionmiddleEast City jeddah has sheraton Offers 40% In winter
RegionmiddleEast City jeddah has sheraton Offers 5% In summer
RegionmiddleEast City jeddah has sheraton Offers 0% In fall
RegionmiddleEast City jeddah has sheraton Offers 15% In spring
RegionmiddleEast City jeddah has hilton Offers 40% In winter
RegionmiddleEast City jeddah has hilton Offers 5% In summer
RegionmiddleEast City jeddah has hilton Offers 0% In fall
RegionmiddleEast City jeddah has hilton Offers 15% In spring
RegionmiddleEast City makkah has sheraton Offers 40% In winter

?- everythingsale(Region,City,Hotel,Sale,Season).

Examples ▾ History ▾ Solutions ▾

table results Run!

Blackboard Coll... Monday V-Cl... swish.swi-prolog.org

File ▾ Edit ▾ Examples ▾ Help ▾

Search 469 users online

Program +

```
107 hotelCity(Hotel,City),  
108 sale(Season,Sale),  
109 write("Regon"),  
110 write(Region),  
111 write("\t City "),  
112 write(City),  
113 write("\t has "),  
114 write(Hotel),  
115 write("\t Offers "),  
116 write(Sale),  
117 write("\t In "),  
118 write(Season),  
119 nl,  
120 fail.  
121 #####  
122 everythingservice(Region,City,Hotel,Service):- location(City,Region),  
123 hotelCity(Hotel,City),  
124 service(Hotel,Service),  
125 write("Region "),  
126 write(Region),  
127 write("\t City "),  
128 write(City),  
129 write("\t has "),  
130 write(Hotel),  
131 write("\t Offers "),  
132 write(Service),  
133 nl,  
134 fail.  
135  
136
```

RegionmiddleEast City jeddah has hilton Offers 40% In winter
RegionmiddleEast City jeddah has hilton Offers 5% In summer
RegionmiddleEast City jeddah has hilton Offers 0% In fall
RegionmiddleEast City jeddah has hilton Offers 15% In spring
RegionmiddleEast City makkah has sheraton Offers 40% In winter
RegionmiddleEast City makkah has sheraton Offers 5% In summer
RegionmiddleEast City makkah has sheraton Offers 0% In fall
RegionmiddleEast City makkah has sheraton Offers 15% In spring
RegionmiddleEast City makkah has rotana Offers 40% In winter
RegionmiddleEast City makkah has rotana Offers 5% In summer
RegionmiddleEast City makkah has rotana Offers 0% In fall
RegionmiddleEast City makkah has rotana Offers 15% In spring
RegionmiddleEast City makkah has hilton Offers 40% In winter
RegionmiddleEast City makkah has hilton Offers 5% In summer
RegionmiddleEast City makkah has hilton Offers 0% In fall
RegionmiddleEast City makkah has hilton Offers 15% In spring
Regoneurope City london has romeKings Offers 40% In winter
Regoneurope City london has romeKings Offers 5% In summer
Regoneurope City london has romeKings Offers 0% In fall
Regoneurope City london has romeKings Offers 15% In spring
Regoneurope City london has impero Offers 40% In winter
Regoneurope City london has impero Offers 5% In summer
Regoneurope City

?- everythingsale(Region,City,Hotel,Sale,Season).

Examples ▾ History ▾ Solutions ▾

table results Run!

Blackboard Coll... Monday V-Cl... swish.swi-prolog.org

File ▾ Edit ▾ Examples ▾ Help ▾ 455 users online Search 🔎

Program +

```
107 hotelCity(Hotel,City),  
108 sale(Season,Sale),  
109 write("Region"),  
110 write(Region),  
111 write("\t City "),  
112 write(City),  
113 write("\t has "),  
114 write(Hotel),  
115 write("\t Offers "),  
116 write(Sale),  
117 write("\t In "),  
118 write(Season),  
119 nl,  
120 fail.  
121 #####  
122 everythingservice(Region,City,Hotel,Service) :- location(City,Region),  
123 hotelCity(Hotel,City),  
124 service(Hotel,Service),  
125 write("Region "),  
126 write(Region),  
127 write("\t City "),  
128 write(City),  
129 write("\t has "),  
130 write(Hotel),  
131 write("\t Offers "),  
132 write(Service),  
133 nl,  
134 fail.  
135  
136
```

everythingservice(Region,City,Hotel,Service).

Region middleEast City dubai has sheraton Offers oneBedroom
Region middleEast City dubai has sheraton Offers suite
Region middleEast City dubai has sheraton Offers twoBedroom
Region middleEast City dubai has sheraton Offers royal
Region middleEast City dubai has sheraton Offers villa
Region middleEast City dubai has rotana Offers oneBedroom
Region middleEast City dubai has rotana Offers suite
Region middleEast City dubai has rotana Offers twoBedroom
Region middleEast City dubai has rotana Offers royal
Region middleEast City dubai has hilton Offers oneBedroom
Region middleEast City dubai has hilton Offers suite
Region middleEast City dubai has hilton Offers twoBedroom
Region middleEast City dubai has hilton Offers villa
Region middleEast City jeddah has sheraton Offers oneBedroom
Region middleEast City jeddah has sheraton Offers suite
Region middleEast City jeddah has sheraton Offers twoBedroom
Region middleEast City jeddah has sheraton Offers royal
Region middleEast City jeddah has sheraton Offers villa
Region middleEast City jeddah has hilton Offers oneBedroom
Region middleEast City jeddah has hilton Offers suite
Region middleEast City jeddah has hilton Offers twoBedroom

?- everythingservice(Region,City,Hotel,Service).

Examples ▾ History ▾ Solutions ▾

table results Run!

Blackboard Coll... Monday V-Cl... swish.swi-prolog.org

File ▾ Edit ▾ Examples ▾ Help ▾ 455 users online Search +

Program +

```
107 hotelCity(Hotel,City),  
108 sale(Season,Sale),  
109 write("Region"),  
110 write(Region),  
111 write("\t City "),  
112 write(City),  
113 write("\t has "),  
114 write(Hotel),  
115 write("\t Offers "),  
116 write(Sale),  
117 write("\t In "),  
118 write(Season),  
119 nl,  
120 fail.  
121 #####  
122 everythingservice(Region,City,Hotel,Service) :- location(City,Region),  
123 hotelCity(Hotel,City),  
124 service(Hotel,Service),  
125 write("Region "),  
126 write(Region),  
127 write("\t City "),  
128 write(City),  
129 write("\t has "),  
130 write(Hotel),  
131 write("\t Offers "),  
132 write(Service),  
133 nl,  
134 fail.  
135  
136
```

Region middleEast City jeddah has hilton Offers oneBedroom
Region middleEast City jeddah has hilton Offers suite
Region middleEast City jeddah has hilton Offers twoBedroom
Region middleEast City jeddah has hilton Offers villa
Region middleEast City makkah has sheraton Offers oneBedroom
Region middleEast City makkah has sheraton Offers suite
Region middleEast City makkah has sheraton Offers twoBedroom
Region middleEast City makkah has sheraton Offers royal
Region middleEast City makkah has sheraton Offers villa
Region middleEast City makkah has rotana Offers oneBedroom
Region middleEast City makkah has rotana Offers suite
Region middleEast City makkah has rotana Offers twoBedroom
Region middleEast City makkah has rotana Offers royal
Region middleEast City makkah has hilton Offers oneBedroom
Region middleEast City makkah has hilton Offers suite
Region middleEast City makkah has hilton Offers twoBedroom
Region middleEast City makkah has hilton Offers villa
Region europe City london has romeKings Offers suite
Region europe City london has romeKings Offers twoBedroom
Region europe City london has romeKings Offers royal
Region europe City london has romeKings Offers villa
Region europe City london has impero Offers oneBedroom

?- everythingservice(Region,City,Hotel,Service).

Examples ▾ History ▾ Solutions ▾

File ▾ Edit ▾ Examples ▾ Help ▾

swish.swi-prolog.org 456 users online

Region europe City rome has romeKings Offers villa
Region europe City rome has romeKings Offers oneBedroom
Region europe City rome has romeKings Offers suite
Region europe City rome has romeKings Offers royal
Region europe City rome has orchid Offers oneBedroom
Region europe City rome has orchid Offers suite
Region europe City rome has orchid Offers twoBedroom
Region europe City rome has orchid Offers royal
Region america City calif has tango Offers oneBedroom
Region america City calif has tango Offers suite
Region america City calif has tango Offers twoBedroom
Region america City calif has sheraton Offers oneBedroom
Region america City calif has sheraton Offers suite
Region america City calif has sheraton Offers twoBedroom
Region america City calif has sheraton Offers royal
Region america City calif has sheraton Offers villa
Region america City calif has hilton Offers oneBedroom
Region america City calif has hilton Offers suite
Region america City calif has hilton Offers twoBedroom
Region america City calif has hilton Offers villa
Region europe City paris has orchid Offers oneBedroom
Region europe City paris has orchid Offers suite
Region europe City paris has orchid Offers twoBedroom

?- everythingservice(Region,City,Hotel,Service).

Program +

```
107 hotelCity(Hotel,City),  
108 sale(Season,Sale),  
109 write("Region"),  
110 write(Region),  
111 write("\t City "),  
112 write(City),  
113 write("\t has "),  
114 write(Hotel),  
115 write("\t Offers "),  
116 write(Sale),  
117 write("\t In "),  
118 write(Season),  
119 nl,  
120 fail.  
121 #####  
122 everythingservice(Region,City,Hotel,Service) :- location(City,Region),  
123 hotelCity(Hotel,City),  
124 service(Hotel,Service),  
125 write("Region "),  
126 write(Region),  
127 write("\t City "),  
128 write(City),  
129 write("\t has "),  
130 write(Hotel),  
131 write("\t Offers "),  
132 write(Service),  
133 nl,  
134 fail.  
135  
136
```

File ▾ Edit ▾ Examples ▾ Help ▾

swish.swi-prolog.org 456 users online

Region europe City paris has orchid Offers royal
Region europe City paris has sheraton Offers oneBedroom
Region europe City paris has sheraton Offers suite
Region europe City paris has sheraton Offers twoBedroom
Region europe City paris has sheraton Offers royal
Region europe City paris has sheraton Offers villa
Region europe City paris has hilton Offers oneBedroom
Region europe City paris has hilton Offers suite
Region europe City paris has hilton Offers twoBedroom
Region europe City paris has hilton Offers villa
Region europe City paris has tango Offers oneBedroom
Region europe City paris has tango Offers suite
Region europe City paris has tango Offers twoBedroom
Region africa City egypt has rotana Offers oneBedroom
Region africa City egypt has rotana Offers suite
Region africa City egypt has rotana Offers twoBedroom
Region africa City egypt has rotana Offers royal
Region africa City egypt has orchid Offers oneBedroom
Region africa City egypt has orchid Offers suite
Region africa City egypt has orchid Offers twoBedroom
Region africa City egypt has orchid Offers royal
Region africa City egypt has hilton Offers oneBedroom
Region africa City egypt has hilton Offers suite

?- everythingservice(Region,City,Hotel,Service).

The screenshot shows the SWISH web-based Prolog environment. On the left, there's a code editor window titled "Program" containing a Prolog script. The script defines predicates like hotelCity, service, and everythingservice, which print various travel-related facts to the console. On the right, the results of these facts are listed. Below the results, a query window shows the goal everythingservice(Region,City,Hotel,Service) with a question mark. At the bottom, there are tabs for Examples, History, and Solutions, along with a small preview of the interface on a laptop screen.

File ▾ Edit ▾ Examples ▾ Help ▾

swish.swi-prolog.org

456 users online

Search

Program +

```

107 hotelCity(Hotel,City),
108 sale(Season,Sale),
109 write("Region"),
110 write(Region),
111 write("\t City"),
112 write(City),
113 write("\t has"),
114 write(Hotel),
115 write("\t Offers"),
116 write(Sale),
117 write("\t In"),
118 write(Season),
119 nl,
120 fail.

121 ##### everythingservice(Region,City,Hotel,Service) :- location(City,Region),
122 hotelCity(Hotel,City),
123 service(Hotel,Service),
124 write("Region"),
125 write(Region),
126 write("\t City"),
127 write(City),
128 write("\t has"),
129 write(Hotel),
130 write("\t Offers"),
131 write(Service),
132 nl,
133 fail.

134
135
136

```

region europe City paris has sheraton Offers suite
Region europe City paris has sheraton Offers twoBedroom
Region europe City paris has sheraton Offers royal
Region europe City paris has sheraton Offers villa
Region europe City paris has hilton Offers oneBedroom
Region europe City paris has hilton Offers suite
Region europe City paris has hilton Offers twoBedroom
Region europe City paris has hilton Offers villa
Region europe City paris has tango Offers oneBedroom
Region europe City paris has tango Offers suite
Region europe City paris has tango Offers twoBedroom
Region africa City egypt has rotana Offers oneBedroom
Region africa City egypt has rotana Offers suite
Region africa City egypt has rotana Offers twoBedroom
Region africa City egypt has royal
Region africa City egypt has orchid Offers oneBedroom
Region africa City egypt has orchid Offers suite
Region africa City egypt has orchid Offers twoBedroom
Region africa City egypt has orchid Offers royal
Region africa City egypt has hilton Offers oneBedroom
Region africa City egypt has hilton Offers suite
Region africa City egypt has hilton Offers twoBedroom
Region africa City egypt has hilton Offers villa

?- everythingservice(Region,City,Hotel,Service).

Examples ▾ History ▾ Solutions ▾

table results Run!