



# Prolog Project

## Tour Guide

BY

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## Tour Guide Prolog project

```
destination_type(mountainous) .
destination_type(island) .
destination_type(coastal) .

sights_type(museums) .
sights_type(sports) .
sights_type(tour) .

accommodation(hotel) .
accommodation(motel) .
accommodation(studio) .

room_type(single) .
room_type(double) .
room_type(triple) .

cost(3000) .
cost(7000) .
cost(1500) .

transportation(bus) .
transportation(airplane) .
transportation(boat) .

destination(muree,mountainous,bus,museums,hotel,single,3000) .
destination(muree,mountainous,bus,sports,motel,double,7000) .
destination(muree,mountainous,bus,museums,hotel,triple,3000) .
destination(sakardu,mountainous,bus,museums,hotel,single,7000) .
destination(sakardu,mountainous,bus,museums,hotel,double,1500) .
destination(sakardu,mountainous,bus,tour,motel,triple,7000) .

destination(kashmir,island,bus,tour,hotel,single,7000) .
destination(kashmir,island,boat,sports,studio,double,7000) .
destination(kashmir,island,airplane,sports,hotel,double,1500) .
destination(karachi,island,boat,sports,hotel,single,7000) .
destination(karachi,island,airplane,museums,motel,triple,1500) .
destination(karachi,island,boat,tour,studio,single,3000) .

destination(balochistan,coastal,bus,sports,hotel,single,3000) .
destination(balochistan,coastal,bus,museums,hotel,double,7000) .
destination(balochistan,coastal,bus,tour,hotel,triple,1500) .
destination(gawadar,coastal,bus,sports,hotel,triple,1500) .
destination(gawadar,coastal,airplane,museums,studio,double,1500) .
```

```

destination(gawadar,coastal,airplane,tour,motel,single,7000) .

details(muree,"Sights: snow hills","Breakfast + Dinner
included","Services: Hospital") .
details(muree,"Sights: snow hills","Breakfast + Dinner
included","Services: Hospital") .
details(sakardu,'Sights: landscapes','Breakfast + Dinner
included','Services: Super market') .
details(sakardu,'Sights: landscapes','Breakfast + Dinner
included','Services: Super market') .

details(kashmir,"Sights: rivers","Breakfast + Dinner
included","Services: police,tourist office") .
details(kashmir,"Sights: Red sea","Breakfast + Dinner
included","Services: police,tourist office") .
details(karachi,"Sights: Castle and sea view","Breakfast + Dinner
included","Services: Super market") .
details(karachi,"Sights: sea view","Breakfast + Dinner
included","Services: pharmacy") .

details(balochistan,"Sights: Castle and landscapes","Breakfast +
Dinner included","Services: Super market") .
details(balochistan,"Sights: port city","Breakfast + Dinner
included","Services: police") .
details(gawadar,"Sights: Sea","Breakfast + Dinner
included","Services: tourist office") .
details(gawadar,"Sights: port city","Breakfast + Dinner
included","Services: Hospital") .

tourist_office:-
    write("Enter the type of destination
type(mountainous,island,coastal):") ,
    nl,
    read(A) ,
    write("Enter the type of sights(museums,sports,tour):") ,
    nl,
    read(B) ,
    write("Enter the type of
accommodation(hotel,motel,studio):") ,
    nl,
    read(C) ,
    write("Enter the type of rooms(single,double,triple):") ,
    nl,

```

```

    read(D) ,
    write("Enter the maximum cost(1500,3000,7000):") ,
    nl,
    read(E) ,
    write("Enter the type of
transportation(bus,airplane,boat):") ,
    nl,
    read(F) ,

    destination(L,A,F,B,C,D,E) ,
    details(L,W,Y,T) ,
    nl,
    write("-----") ,nl,nl,
    write("The best destination for you is: ") ,write(L) ,nl,
    write("Some details for the destination:") ,nl,
    write(W) ,nl,
    write(Y) ,nl,
    write(T) ,nl,nl,
    write("-----") .

% For Quick Guide
location(gawadar,beach) .
location(balochistan,beach) .
location(muree,hill_station) .
location(sakardu,hill_station) .
location(karachi,see_view) .

pricing(gawadar,2000) .
pricing(balochistan,1000) .
pricing(muree,3000) .
pricing(sakardu,1500) .
pricing(karachi,3000) .

weather(gawadar,humid) .
weather(balochistan,mostly_dry) .
weather(muree,snow) .
weather(karachi,humid) .

```

## Output:

```
?- tourist_office.  
Enter the type of destination type(mountainous,island,coastal):  
|: island.  
Enter the type of sights(museums,sports,tour):  
|: tour.  
Enter the type of accommodation(hotel,motel,studio):  
|: hotel.  
Enter the type of rooms(single,double,triple):  
|: single.  
Enter the maximum cost(1500,3000,7000):  
|: 7000.  
Enter the type of transportation(bus,airplane,boat):  
|: bus.
```

```
-----  
The best destination for you is: kashmir  
Some details for the destination:  
Sights: rivers  
Breakfast + Dinner included  
Services: police,tourist office  
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```

```
true .
```

```
?-
```