run:
Welcome to the Travel Booking System!
Choose your role:
1. Travel Agency
2. Passenger
3. Exit

Choose your option: 1

System successfully initialized for the 'Travel Agency'

Travel Agency Main Menu:
1. Create Packages
2. Display Package Details
3. Display Passengers
4. Exit
Enter your choice: 1
Enter the New Tour Package Name:
Canada Tour
Enter the passenger capacity of the travel package (Note: Only number):
1
How many destinations does the package have? (Note: Only number)
2
Enter the name of destination 1:
Banff Forest
How many activities does the destination have? (Note: Only number)
2
Enter the name of activity 1 for destination Banff Forest:
Treckking
Enter the description of activity 1 for destination Banff Forest:
Explore the Flora and Fauna
Enter the cost of activity 1 for destination Banff Forest:
40
Enter the capacity of activity 1 for destination Banff Forest:
1
Enter the name of activity 2 for destination Banff Forest:
Cycling
Enter the description of activity 2 for destination Banff Forest:
Enjoy the nature breeze
Enter the cost of activity 2 for destination Banff Forest:
10
Enter the capacity of activity 2 for destination Banff Forest:
1
Enter the name of destination 2:
Niagra Falls
How many activities does the destination have? (Note: Only number)
2
Enter the name of activity 1 for destination Niagra Falls:
Boating
Enter the description of activity 1 for destination Niagra Falls:
Pedal into the beautiful waterfalls
Enter the cost of activity 1 for destination Niagra Falls:
60
Enter the capacity of activity 1 for destination Niagra Falls:
2
Enter the name of activity 2 for destination Niagra Falls:
Feeding
Enter the description of activity 2 for destination Niagra Falls:
Get a chance to feed dolphins in nearby waterpark
Enter the cost of activity 2 for destination Niagra Falls:

30
Enter the capacity of activity 2 for destination Niagra Falls:
2
Travel package created successfully!!!!

Travel Agency Main Menu:
1. Create Packages
2. Display Package Details
3. Display Passengers
4. Exit
Enter your choice: 1
Enter the New Tour Package Name:
Dubai Tour
Enter the passenger capacity of the travel package (Note: Only number):
3
How many destinations does the package have? (Note: Only number)
3
Enter the name of destination 1:
Qatar
How many activities does the destination have? (Note: Only number)
2
Enter the name of activity 1 for destination Qatar:
Swimming
Enter the description of activity 1 for destination Qatar:
Join the Watersports event
Enter the cost of activity 1 for destination Qatar:
60
Enter the capacity of activity 1 for destination Qatar:
5
Enter the name of activity 2 for destination Qatar:
Running
Enter the description of activity 2 for destination Qatar:
Join the 20K running event
Enter the cost of activity 2 for destination Qatar:
50
Enter the capacity of activity 2 for destination Qatar:
5
Enter the name of destination 2:
Atlantis
How many activities does the destination have? (Note: Only number)
3
Enter the name of activity 1 for destination Atlantis:
Relaxe
Enter the description of activity 1 for destination Atlantis:
Enjoy the holiday packs with 30% discount
Enter the cost of activity 1 for destination Atlantis:
100
Enter the capacity of activity 1 for destination Atlantis:
5
Enter the name of activity 2 for destination Atlantis:
Explore
Enter the description of activity 2 for destination Atlantis:
Atlantis is considered as 8th wonder, come and explore
Enter the cost of activity 2 for destination Atlantis:
20
Enter the capacity of activity 2 for destination Atlantis:
3
Enter the name of activity 3 for destination Atlantis:
Racing
Enter the description of activity 3 for destination Atlantis:

Get a chance to win premium cars on winning the race
Enter the cost of activity 3 for destination Atlantis:
100
Enter the capacity of activity 3 for destination Atlantis:
2
Enter the name of destination 3:
Burj Khalifa
How many activities does the destination have? (Note: Only number)
1
Enter the name of activity 1 for destination Burj Khalifa:
Skydive
Enter the description of activity 1 for destination Burj Khalifa:
Skydive from the tallest building of the world
Enter the cost of activity 1 for destination Burj Khalifa:
150
Enter the capacity of activity 1 for destination Burj Khalifa:
3
Travel package created successfully!!!!

Travel Agency Main Menu:
1. Create Packages
2. Display Package Details
3. Display Passengers
4. Exit
Enter your choice: 2
Displaying details...
Package Name: Canada Tour
Passenger Capacity: 1
Destination Name: Banff Forest
Activity Name: Treckking
Description: Explore the Flora and Fauna
Cost: 40.0
Capacity: 1
Activity Name: Cycling
Description: Enjoy the nature breeze
Cost: 10.0
Capacity: 1
Destination Name: Niagra Falls
Activity Name: Boating
Description: Pedal into the beautiful waterfalls
Cost: 60.0
Capacity: 2
Activity Name: Feeding
Description: Get a chance to feed dolphins in nearby waterpark
Cost: 30.0
Capacity: 2

Package Name: Dubai Tour
Passenger Capacity: 3
Destination Name: Qatar
Activity Name: Swimming
Description: Join the Watersports event
Cost: 60.0
Capacity: 5
Activity Name: Running
Description: Join the 20K running event
Cost: 50.0
Capacity: 5
Destination Name: Atlantis
Activity Name: Relaxe

Description: Enjoy the holiday packs with 30% discount
　　Cost: 100.0
　　Capacity: 5
　　Activity Name: Explore
　　Description: Atlantis is considered as 8th wonder, come and explore
　　Cost: 20.0
　　Capacity: 3
　　Activity Name: Racing
　　Description: Get a chance to win premium cars on winning the race
　　Cost: 100.0
　　Capacity: 2
　Destination Name: Burj Khalifa
　　Activity Name: Skydive
　　Description: Skydive from the tallest building of the world
　　Cost: 150.0
　　Capacity: 3

Travel Agency Main Menu:
1. Create Packages
2. Display Package Details
3. Display Passengers
4. Exit
Enter your choice: 3
Printing Passenger List for Travel Packages...
Travel Package Name: Canada Tour
Passenger Capacity: 1
Number of Passengers Enrolled: 0

Travel Package Name: Dubai Tour
Passenger Capacity: 3
Number of Passengers Enrolled: 0

Travel Agency Main Menu:
1. Create Packages
2. Display Package Details
3. Display Passengers
4. Exit
Enter your choice: 4
Exiting Travel Agency. Goodbye!
Welcome to the Travel Booking System!
Choose your role:
1. Travel Agency
2. Passenger
3. Exit

Choose your option: 2
Passenger Interaction System
1. New Passenger
Enter your choice: 1
Enter your name: Akhil
Enter passenger type (Standard, Gold, Premium): Standard
Enter initial balance: 100
Hello, Akhil! Welcome to our travel agency.

Options:
1. Choose a Tour Package
2. Display Enrolled Packages
3. Display Final Details

4. Print Passenger Details
5. Exit
Enter your choice: 1
Available Travel Packages:
1)Package Name: Canada Tour
Passenger Capacity: 1
Destinations:
 - Destination Name: Banff Forest
   Activities:
   - Activity Name: Treckking
     Description: Explore the Flora and Fauna
     Capacity: 1
     Cost: 40.0
   - Activity Name: Cycling
     Description: Enjoy the nature breeze
     Capacity: 1
     Cost: 10.0
 - Destination Name: Niagra Falls
   Activities:
   - Activity Name: Boating
     Description: Pedal into the beautiful waterfalls
     Capacity: 2
     Cost: 60.0
   - Activity Name: Feeding
     Description: Get a chance to feed dolphins in nearby waterpark
     Capacity: 2
     Cost: 30.0
----
2)Package Name: Dubai Tour
Passenger Capacity: 3
Destinations:
 - Destination Name: Qatar
   Activities:
   - Activity Name: Swimming
     Description: Join the Watersports event
     Capacity: 5
     Cost: 60.0
   - Activity Name: Running
     Description: Join the 20K running event
     Capacity: 5
     Cost: 50.0
 - Destination Name: Atlantis
   Activities:
   - Activity Name: Relaxe
     Description: Enjoy the holiday packs with 30% discount
     Capacity: 5
     Cost: 100.0
   - Activity Name: Explore
     Description: Atlantis is considered as 8th wonder, come and explore
     Capacity: 3
     Cost: 20.0
   - Activity Name: Racing
     Description: Get a chance to win premium cars on winning the race
     Capacity: 2
     Cost: 100.0
 - Destination Name: Burj Khalifa
   Activities:
   - Activity Name: Skydive
     Description: Skydive from the tallest building of the world
     Capacity: 3

Cost: 150.0

Select a Travel Package (enter package number): 1
You have selected the package: Canada Tour
Passenger: Akhil (ID: 1001)
Available Activities:
Destination: Banff Forest
 - Activity: Treckking
   Description: Explore the Flora and Fauna
   Capacity: 1
   Cost: 40.0
 - Activity: Cycling
   Description: Enjoy the nature breeze
   Capacity: 1
   Cost: 10.0
Destination: Niagra Falls
 - Activity: Boating
   Description: Pedal into the beautiful waterfalls
   Capacity: 2
   Cost: 60.0
 - Activity: Feeding
   Description: Get a chance to feed dolphins in nearby waterpark
   Capacity: 2
   Cost: 30.0
Select an Activity (enter activity name or 'confirm' to confirm booking): Cycling

Enrolled in activity: Cycling
Available Activities:
Destination: Banff Forest
 - Activity: Treckking
   Description: Explore the Flora and Fauna
   Capacity: 1
   Cost: 40.0
 - Activity: Cycling
   Description: Enjoy the nature breeze
   Capacity: 0
   Cost: 10.0
Destination: Niagra Falls
 - Activity: Boating
   Description: Pedal into the beautiful waterfalls
   Capacity: 2
   Cost: 60.0
 - Activity: Feeding
   Description: Get a chance to feed dolphins in nearby waterpark
   Capacity: 2
   Cost: 30.0
Select an Activity (enter activity name or 'confirm' to confirm booking): Boating

Enrolled in activity: Boating
Available Activities:
Destination: Banff Forest
 - Activity: Treckking
   Description: Explore the Flora and Fauna
   Capacity: 1
   Cost: 40.0
 - Activity: Cycling
   Description: Enjoy the nature breeze
   Capacity: 0
   Cost: 10.0
Destination: Niagra Falls

- Activity: Boating
    Description: Pedal into the beautiful waterfalls
    Capacity: 1
    Cost: 60.0
  - Activity: Feeding
    Description: Get a chance to feed dolphins in nearby waterpark
    Capacity: 2
    Cost: 30.0
Select an Activity (enter activity name or 'confirm' to confirm booking): Feeding

Enrolled in activity: Feeding
Available Activities:
Destination: Banff Forest
  - Activity: Treckking
    Description: Explore the Flora and Fauna
    Capacity: 1
    Cost: 40.0
  - Activity: Cycling
    Description: Enjoy the nature breeze
    Capacity: 0
    Cost: 10.0
Destination: Niagra Falls
  - Activity: Boating
    Description: Pedal into the beautiful waterfalls
    Capacity: 1
    Cost: 60.0
  - Activity: Feeding
    Description: Get a chance to feed dolphins in nearby waterpark
    Capacity: 1
    Cost: 30.0
Select an Activity (enter activity name or 'confirm' to confirm booking): confirm
Final Details for Akhil:
Package Name: Canada Tour
Destinations:
  - Destination Name: Banff Forest
    Activities:

  - Destination Name: Niagra Falls
    Activities:
    - Activity Name: Boating
      Description: Pedal into the beautiful waterfalls
    - Activity Name: Feeding
      Description: Get a chance to feed dolphins in nearby waterpark
----
Package Name: Canada Tour
Destinations:
  - Destination Name: Banff Forest
    Activities:

  - Destination Name: Niagra Falls
    Activities:
    - Activity Name: Boating
      Description: Pedal into the beautiful waterfalls
    - Activity Name: Feeding
      Description: Get a chance to feed dolphins in nearby waterpark
----
Package Name: Canada Tour
Destinations:

- Destination Name: Banff Forest
     Activities:

   - Destination Name: Niagra Falls
     Activities:
     - Activity Name: Boating
       Description: Pedal into the beautiful waterfalls
     - Activity Name: Feeding
       Description: Get a chance to feed dolphins in nearby waterpark
----
Package Name: Canada Tour
Destinations:
   - Destination Name: Banff Forest
     Activities:

   - Destination Name: Niagra Falls
     Activities:
     - Activity Name: Boating
       Description: Pedal into the beautiful waterfalls
     - Activity Name: Feeding
       Description: Get a chance to feed dolphins in nearby waterpark
----

Options:
1. Choose a Tour Package
2. Display Enrolled Packages
3. Display Final Details
4. Print Passenger Details
5. Exit
Enter your choice: 4
Passenger Details:
Name: Akhil
Passenger Number: 1001
Passenger Type: Standard
Balance: $0.0

Options:
1. Choose a Tour Package
2. Display Enrolled Packages
3. Display Final Details
4. Print Passenger Details
5. Exit
Enter your choice: 5
Exiting.....
Welcome to the Travel Booking System!
Choose your role:
1. Travel Agency
2. Passenger
3. Exit

Choose your option: 2
Passenger Interaction System
1. New Passenger
Enter your choice: 1
Enter your name: Rohit
Enter passenger type (Standard, Gold, Premium): Gold
Enter initial balance: 200
Hello, Rohit! Welcome to our travel agency.

Options:
1. Choose a Tour Package
2. Display Enrolled Packages
3. Display Final Details
4. Print Passenger Details
5. Exit
Enter your choice: 1
Available Travel Packages:
1)Package Name: Canada Tour
Passenger Capacity: 0
Destinations:
 - Destination Name: Banff Forest
   Activities:
   - Activity Name: Treckking
     Description: Explore the Flora and Fauna
     Capacity: 1
     Cost: 40.0
   - Activity Name: Cycling
     Description: Enjoy the nature breeze
     Capacity: 0
     Cost: 10.0
 - Destination Name: Niagra Falls
   Activities:
   - Activity Name: Boating
     Description: Pedal into the beautiful waterfalls
     Capacity: 1
     Cost: 60.0
   - Activity Name: Feeding
     Description: Get a chance to feed dolphins in nearby waterpark
     Capacity: 1
     Cost: 30.0
----
2)Package Name: Dubai Tour
Passenger Capacity: 3
Destinations:
 - Destination Name: Qatar
   Activities:
   - Activity Name: Swimming
     Description: Join the Watersports event
     Capacity: 5
     Cost: 60.0
   - Activity Name: Running
     Description: Join the 20K running event
     Capacity: 5
     Cost: 50.0
 - Destination Name: Atlantis
   Activities:
   - Activity Name: Relaxe
     Description: Enjoy the holiday packs with 30% discount
     Capacity: 5
     Cost: 100.0
   - Activity Name: Explore
     Description: Atlantis is considered as 8th wonder, come and explore
     Capacity: 3
     Cost: 20.0
   - Activity Name: Racing
     Description: Get a chance to win premium cars on winning the race
     Capacity: 2
     Cost: 100.0

- Destination Name: Burj Khalifa
   Activities:
   - Activity Name: Skydive
     Description: Skydive from the tallest building of the world
     Capacity: 3
     Cost: 150.0

Select a Travel Package (enter package number): 1
Sorry, the selected package is already full. Please choose another package.

Options:
1. Choose a Tour Package
2. Display Enrolled Packages
3. Display Final Details
4. Print Passenger Details
5. Exit
Enter your choice: 2
Enrolled Packages for Rohit:
No enrolled packages.

Options:
1. Choose a Tour Package
2. Display Enrolled Packages
3. Display Final Details
4. Print Passenger Details
5. Exit
Enter your choice: 1
Available Travel Packages:
1)Package Name: Canada Tour
Passenger Capacity: 0
Destinations:
 - Destination Name: Banff Forest
   Activities:
   - Activity Name: Treckking
     Description: Explore the Flora and Fauna
     Capacity: 1
     Cost: 40.0
   - Activity Name: Cycling
     Description: Enjoy the nature breeze
     Capacity: 0
     Cost: 10.0
 - Destination Name: Niagra Falls
   Activities:
   - Activity Name: Boating
     Description: Pedal into the beautiful waterfalls
     Capacity: 1
     Cost: 60.0
   - Activity Name: Feeding
     Description: Get a chance to feed dolphins in nearby waterpark
     Capacity: 1
     Cost: 30.0
----
2)Package Name: Dubai Tour
Passenger Capacity: 3
Destinations:
 - Destination Name: Qatar
   Activities:
   - Activity Name: Swimming
     Description: Join the Watersports event
     Capacity: 5

Cost: 60.0
    - Activity Name: Running
      Description: Join the 20K running event
      Capacity: 5
      Cost: 50.0
  - Destination Name: Atlantis
    Activities:
    - Activity Name: Relaxe
      Description: Enjoy the holiday packs with 30% discount
      Capacity: 5
      Cost: 100.0
    - Activity Name: Explore
      Description: Atlantis is considered as 8th wonder, come and explore
      Capacity: 3
      Cost: 20.0
    - Activity Name: Racing
      Description: Get a chance to win premium cars on winning the race
      Capacity: 2
      Cost: 100.0
  - Destination Name: Burj Khalifa
    Activities:
    - Activity Name: Skydive
      Description: Skydive from the tallest building of the world
      Capacity: 3
      Cost: 150.0

Select a Travel Package (enter package number): 2
Entered number doesnt match the package
You have selected the package: Dubai Tour
Passenger: Rohit (ID: 1002)
Available Activities:
Destination: Qatar
 - Activity: Swimming
   Description: Join the Watersports event
   Capacity: 5
   Cost: 60.0
 - Activity: Running
   Description: Join the 20K running event
   Capacity: 5
   Cost: 50.0
Destination: Atlantis
 - Activity: Relaxe
   Description: Enjoy the holiday packs with 30% discount
   Capacity: 5
   Cost: 100.0
 - Activity: Explore
   Description: Atlantis is considered as 8th wonder, come and explore
   Capacity: 3
   Cost: 20.0
 - Activity: Racing
   Description: Get a chance to win premium cars on winning the race
   Capacity: 2
   Cost: 100.0
Destination: Burj Khalifa
 - Activity: Skydive
   Description: Skydive from the tallest building of the world
   Capacity: 3
   Cost: 150.0
Select an Activity (enter activity name or 'confirm' to confirm booking): Relaxe

Enrolled in activity: Relaxe (Gold Discount Applied)
Available Activities:
Destination: Qatar
 - Activity: Swimming
   Description: Join the Watersports event
   Capacity: 5
   Cost: 60.0
 - Activity: Running
   Description: Join the 20K running event
   Capacity: 5
   Cost: 50.0
Destination: Atlantis
 - Activity: Relaxe
   Description: Enjoy the holiday packs with 30% discount
   Capacity: 4
   Cost: 100.0
 - Activity: Explore
   Description: Atlantis is considered as 8th wonder, come and explore
   Capacity: 3
   Cost: 20.0
 - Activity: Racing
   Description: Get a chance to win premium cars on winning the race
   Capacity: 2
   Cost: 100.0
Destination: Burj Khalifa
 - Activity: Skydive
   Description: Skydive from the tallest building of the world
   Capacity: 3
   Cost: 150.0
Select an Activity (enter activity name or 'confirm' to confirm booking): Racing

Enrolled in activity: Racing (Gold Discount Applied)
Available Activities:
Destination: Qatar
 - Activity: Swimming
   Description: Join the Watersports event
   Capacity: 5
   Cost: 60.0
 - Activity: Running
   Description: Join the 20K running event
   Capacity: 5
   Cost: 50.0
Destination: Atlantis
 - Activity: Relaxe
   Description: Enjoy the holiday packs with 30% discount
   Capacity: 4
   Cost: 100.0
 - Activity: Explore
   Description: Atlantis is considered as 8th wonder, come and explore
   Capacity: 3
   Cost: 20.0
 - Activity: Racing
   Description: Get a chance to win premium cars on winning the race
   Capacity: 1
   Cost: 100.0
Destination: Burj Khalifa
 - Activity: Skydive
   Description: Skydive from the tallest building of the world
   Capacity: 3
   Cost: 150.0

Select an Activity (enter activity name or 'confirm' to confirm booking): Explore

Enrolled in activity: Explore (Gold Discount Applied)
Available Activities:
Destination: Qatar
 - Activity: Swimming
   Description: Join the Watersports event
   Capacity: 5
   Cost: 60.0
 - Activity: Running
   Description: Join the 20K running event
   Capacity: 5
   Cost: 50.0
Destination: Atlantis
 - Activity: Relaxe
   Description: Enjoy the holiday packs with 30% discount
   Capacity: 4
   Cost: 100.0
 - Activity: Explore
   Description: Atlantis is considered as 8th wonder, come and explore
   Capacity: 2
   Cost: 20.0
 - Activity: Racing
   Description: Get a chance to win premium cars on winning the race
   Capacity: 1
   Cost: 100.0
Destination: Burj Khalifa
 - Activity: Skydive
   Description: Skydive from the tallest building of the world
   Capacity: 3
   Cost: 150.0
Select an Activity (enter activity name or 'confirm' to confirm booking): Skydive

Insufficient balance. Cannot enroll in the activity.
Available Activities:
Destination: Qatar
 - Activity: Swimming
   Description: Join the Watersports event
   Capacity: 5
   Cost: 60.0
 - Activity: Running
   Description: Join the 20K running event
   Capacity: 5
   Cost: 50.0
Destination: Atlantis
 - Activity: Relaxe
   Description: Enjoy the holiday packs with 30% discount
   Capacity: 4
   Cost: 100.0
 - Activity: Explore
   Description: Atlantis is considered as 8th wonder, come and explore
   Capacity: 2
   Cost: 20.0
 - Activity: Racing
   Description: Get a chance to win premium cars on winning the race
   Capacity: 1
   Cost: 100.0
Destination: Burj Khalifa
 - Activity: Skydive
   Description: Skydive from the tallest building of the world

Capacity: 3
   Cost: 150.0
Select an Activity (enter activity name or 'confirm' to confirm booking): confirm
Final Details for Rohit:
Package Name: Dubai Tour
Destinations:
 - Destination Name: Qatar
   Activities:

 - Destination Name: Atlantis
   Activities:
   - Activity Name: Relaxe
     Description: Enjoy the holiday packs with 30% discount
   - Activity Name: Racing
     Description: Get a chance to win premium cars on winning the race
   - Activity Name: Explore
     Description: Atlantis is considered as 8th wonder, come and explore
 - Destination Name: Burj Khalifa
   Activities:

Package Name: Dubai Tour
Destinations:
 - Destination Name: Qatar
   Activities:

 - Destination Name: Atlantis
   Activities:
   - Activity Name: Relaxe
     Description: Enjoy the holiday packs with 30% discount
   - Activity Name: Racing
     Description: Get a chance to win premium cars on winning the race
   - Activity Name: Explore
     Description: Atlantis is considered as 8th wonder, come and explore
 - Destination Name: Burj Khalifa
   Activities:

Package Name: Dubai Tour
Destinations:
 - Destination Name: Qatar
   Activities:

 - Destination Name: Atlantis
   Activities:
   - Activity Name: Relaxe
     Description: Enjoy the holiday packs with 30% discount
   - Activity Name: Racing
     Description: Get a chance to win premium cars on winning the race
   - Activity Name: Explore

Description: Atlantis is considered as 8th wonder, come and explore
  - Destination Name: Burj Khalifa
     Activities:

Package Name: Dubai Tour
Destinations:
 - Destination Name: Qatar
    Activities:

 - Destination Name: Atlantis
    Activities:
    - Activity Name: Relaxe
      Description: Enjoy the holiday packs with 30% discount
    - Activity Name: Racing
      Description: Get a chance to win premium cars on winning the race
    - Activity Name: Explore
      Description: Atlantis is considered as 8th wonder, come and explore
  - Destination Name: Burj Khalifa
     Activities:

Options:
1. Choose a Tour Package
2. Display Enrolled Packages
3. Display Final Details
4. Print Passenger Details
5. Exit
Enter your choice: 3
Final Details for Rohit:
Package Name: Dubai Tour
Destinations:
 - Destination Name: Qatar
    Activities:

 - Destination Name: Atlantis
    Activities:
    - Activity Name: Relaxe
      Description: Enjoy the holiday packs with 30% discount
    - Activity Name: Racing
      Description: Get a chance to win premium cars on winning the race
    - Activity Name: Explore
      Description: Atlantis is considered as 8th wonder, come and explore
  - Destination Name: Burj Khalifa
     Activities:

Package Name: Dubai Tour
Destinations:

- Destination Name: Qatar
     Activities:

   - Destination Name: Atlantis
     Activities:
     - Activity Name: Relaxe
       Description: Enjoy the holiday packs with 30% discount
     - Activity Name: Racing
       Description: Get a chance to win premium cars on winning the race
     - Activity Name: Explore
       Description: Atlantis is considered as 8th wonder, come and explore
   - Destination Name: Burj Khalifa
     Activities:

Package Name: Dubai Tour
Destinations:
 - Destination Name: Qatar
     Activities:

   - Destination Name: Atlantis
     Activities:
     - Activity Name: Relaxe
       Description: Enjoy the holiday packs with 30% discount
     - Activity Name: Racing
       Description: Get a chance to win premium cars on winning the race
     - Activity Name: Explore
       Description: Atlantis is considered as 8th wonder, come and explore
   - Destination Name: Burj Khalifa
     Activities:

Package Name: Dubai Tour
Destinations:
 - Destination Name: Qatar
     Activities:

   - Destination Name: Atlantis
     Activities:
     - Activity Name: Relaxe
       Description: Enjoy the holiday packs with 30% discount
     - Activity Name: Racing
       Description: Get a chance to win premium cars on winning the race
     - Activity Name: Explore
       Description: Atlantis is considered as 8th wonder, come and explore
   - Destination Name: Burj Khalifa
     Activities:

Options:
1. Choose a Tour Package
2. Display Enrolled Packages
3. Display Final Details
4. Print Passenger Details
5. Exit
Enter your choice: 4
Passenger Details:
Name: Rohit
Passenger Number: 1002
Passenger Type: Gold
Balance: $2.0

Options:
1. Choose a Tour Package
2. Display Enrolled Packages
3. Display Final Details
4. Print Passenger Details
5. Exit
Enter your choice: 5
Exiting.....
Welcome to the Travel Booking System!
Choose your role:
1. Travel Agency
2. Passenger
3. Exit

Choose your option: 2
Passenger Interaction System
1. New Passenger
Enter your choice: 1
Enter your name: Varun
Enter passenger type (Standard, Gold, Premium): Premium
Enter initial balance: 500
Hello, Varun! Welcome to our travel agency.

Options:
1. Choose a Tour Package
2. Display Enrolled Packages
3. Display Final Details
4. Print Passenger Details
5. Exit
Enter your choice: 1
Available Travel Packages:
1)Package Name: Canada Tour
Passenger Capacity: 0
Destinations:
 - Destination Name: Banff Forest
   Activities:
   - Activity Name: Treckking
     Description: Explore the Flora and Fauna
     Capacity: 1
     Cost: 40.0
   - Activity Name: Cycling
     Description: Enjoy the nature breeze
     Capacity: 0
     Cost: 10.0
 - Destination Name: Niagra Falls

Activities:
   - Activity Name: Boating
     Description: Pedal into the beautiful waterfalls
     Capacity: 1
     Cost: 60.0
   - Activity Name: Feeding
     Description: Get a chance to feed dolphins in nearby waterpark
     Capacity: 1
     Cost: 30.0
----
2)Package Name: Dubai Tour
Passenger Capacity: 2
Destinations:
 - Destination Name: Qatar
   Activities:
   - Activity Name: Swimming
     Description: Join the Watersports event
     Capacity: 5
     Cost: 60.0
   - Activity Name: Running
     Description: Join the 20K running event
     Capacity: 5
     Cost: 50.0
 - Destination Name: Atlantis
   Activities:
   - Activity Name: Relaxe
     Description: Enjoy the holiday packs with 30% discount
     Capacity: 4
     Cost: 100.0
   - Activity Name: Explore
     Description: Atlantis is considered as 8th wonder, come and explore
     Capacity: 2
     Cost: 20.0
   - Activity Name: Racing
     Description: Get a chance to win premium cars on winning the race
     Capacity: 1
     Cost: 100.0
 - Destination Name: Burj Khalifa
   Activities:
   - Activity Name: Skydive
     Description: Skydive from the tallest building of the world
     Capacity: 3
     Cost: 150.0

Select a Travel Package (enter package number): 1
Sorry, the selected package is already full. Please choose another package.

Options:
1. Choose a Tour Package
2. Display Enrolled Packages
3. Display Final Details
4. Print Passenger Details
5. Exit
Enter your choice: 1
Available Travel Packages:
1)Package Name: Canada Tour
Passenger Capacity: 0
Destinations:
 - Destination Name: Banff Forest
   Activities:

- Activity Name: Treckking
　　　Description: Explore the Flora and Fauna
　　　Capacity: 1
　　　Cost: 40.0
　　- Activity Name: Cycling
　　　Description: Enjoy the nature breeze
　　　Capacity: 0
　　　Cost: 10.0
　- Destination Name: Niagra Falls
　　Activities:
　　- Activity Name: Boating
　　　Description: Pedal into the beautiful waterfalls
　　　Capacity: 1
　　　Cost: 60.0
　　- Activity Name: Feeding
　　　Description: Get a chance to feed dolphins in nearby waterpark
　　　Capacity: 1
　　　Cost: 30.0
　-----------------------------
2)Package Name: Dubai Tour
Passenger Capacity: 2
Destinations:
　- Destination Name: Qatar
　　Activities:
　　- Activity Name: Swimming
　　　Description: Join the Watersports event
　　　Capacity: 5
　　　Cost: 60.0
　　- Activity Name: Running
　　　Description: Join the 20K running event
　　　Capacity: 5
　　　Cost: 50.0
　- Destination Name: Atlantis
　　Activities:
　　- Activity Name: Relaxe
　　　Description: Enjoy the holiday packs with 30% discount
　　　Capacity: 4
　　　Cost: 100.0
　　- Activity Name: Explore
　　　Description: Atlantis is considered as 8th wonder, come and explore
　　　Capacity: 2
　　　Cost: 20.0
　　- Activity Name: Racing
　　　Description: Get a chance to win premium cars on winning the race
　　　Capacity: 1
　　　Cost: 100.0
　- Destination Name: Burj Khalifa
　　Activities:
　　- Activity Name: Skydive
　　　Description: Skydive from the tallest building of the world
　　　Capacity: 3
　　　Cost: 150.0

Select a Travel Package (enter package number): 2
Entered number doesnt match the package
You have selected the package: Dubai Tour
Passenger: Varun (ID: 1003)
Available Activities:
Destination: Qatar
　- Activity: Swimming

Description: Join the Watersports event
    Capacity: 5
    Cost: 60.0
  - Activity: Running
    Description: Join the 20K running event
    Capacity: 5
    Cost: 50.0
Destination: Atlantis
 - Activity: Relaxe
   Description: Enjoy the holiday packs with 30% discount
   Capacity: 4
   Cost: 100.0
 - Activity: Explore
   Description: Atlantis is considered as 8th wonder, come and explore
   Capacity: 2
   Cost: 20.0
 - Activity: Racing
   Description: Get a chance to win premium cars on winning the race
   Capacity: 1
   Cost: 100.0
Destination: Burj Khalifa
 - Activity: Skydive
   Description: Skydive from the tallest building of the world
   Capacity: 3
   Cost: 150.0
Select an Activity (enter activity name or 'confirm' to confirm booking): Swimming

Enrolled in activity: Swimming (Premium Passenger - Free)
Available Activities:
Destination: Qatar
 - Activity: Swimming
   Description: Join the Watersports event
   Capacity: 4
   Cost: 60.0
 - Activity: Running
   Description: Join the 20K running event
   Capacity: 5
   Cost: 50.0
Destination: Atlantis
 - Activity: Relaxe
   Description: Enjoy the holiday packs with 30% discount
   Capacity: 4
   Cost: 100.0
 - Activity: Explore
   Description: Atlantis is considered as 8th wonder, come and explore
   Capacity: 2
   Cost: 20.0
 - Activity: Racing
   Description: Get a chance to win premium cars on winning the race
   Capacity: 1
   Cost: 100.0
Destination: Burj Khalifa
 - Activity: Skydive
   Description: Skydive from the tallest building of the world
   Capacity: 3
   Cost: 150.0
Select an Activity (enter activity name or 'confirm' to confirm booking): Running

Enrolled in activity: Running (Premium Passenger - Free)
Available Activities:

Destination: Qatar
 - Activity: Swimming
   Description: Join the Watersports event
   Capacity: 4
   Cost: 60.0
 - Activity: Running
   Description: Join the 20K running event
   Capacity: 4
   Cost: 50.0
Destination: Atlantis
 - Activity: Relaxe
   Description: Enjoy the holiday packs with 30% discount
   Capacity: 4
   Cost: 100.0
 - Activity: Explore
   Description: Atlantis is considered as 8th wonder, come and explore
   Capacity: 2
   Cost: 20.0
 - Activity: Racing
   Description: Get a chance to win premium cars on winning the race
   Capacity: 1
   Cost: 100.0
Destination: Burj Khalifa
 - Activity: Skydive
   Description: Skydive from the tallest building of the world
   Capacity: 3
   Cost: 150.0
Select an Activity (enter activity name or 'confirm' to confirm booking): Relaxe

Enrolled in activity: Relaxe (Premium Passenger - Free)
Available Activities:
Destination: Qatar
 - Activity: Swimming
   Description: Join the Watersports event
   Capacity: 4
   Cost: 60.0
 - Activity: Running
   Description: Join the 20K running event
   Capacity: 4
   Cost: 50.0
Destination: Atlantis
 - Activity: Relaxe
   Description: Enjoy the holiday packs with 30% discount
   Capacity: 3
   Cost: 100.0
 - Activity: Explore
   Description: Atlantis is considered as 8th wonder, come and explore
   Capacity: 2
   Cost: 20.0
 - Activity: Racing
   Description: Get a chance to win premium cars on winning the race
   Capacity: 1
   Cost: 100.0
Destination: Burj Khalifa
 - Activity: Skydive
   Description: Skydive from the tallest building of the world
   Capacity: 3
   Cost: 150.0
Select an Activity (enter activity name or 'confirm' to confirm booking): Racing

Enrolled in activity: Racing (Premium Passenger - Free)
Available Activities:
Destination: Qatar
 - Activity: Swimming
   Description: Join the Watersports event
   Capacity: 4
   Cost: 60.0
 - Activity: Running
   Description: Join the 20K running event
   Capacity: 4
   Cost: 50.0
Destination: Atlantis
 - Activity: Relaxe
   Description: Enjoy the holiday packs with 30% discount
   Capacity: 3
   Cost: 100.0
 - Activity: Explore
   Description: Atlantis is considered as 8th wonder, come and explore
   Capacity: 2
   Cost: 20.0
 - Activity: Racing
   Description: Get a chance to win premium cars on winning the race
   Capacity: 1
   Cost: 100.0
Destination: Burj Khalifa
 - Activity: Skydive
   Description: Skydive from the tallest building of the world
   Capacity: 3
   Cost: 150.0
Select an Activity (enter activity name or 'confirm' to confirm booking): confirm
Final Details for Varun:
Package Name: Dubai Tour
Destinations:
 - Destination Name: Qatar
   Activities:
   - Activity Name: Swimming
     Description: Join the Watersports event
   - Activity Name: Running
     Description: Join the 20K running event

 - Destination Name: Atlantis
   Activities:

   - Activity Name: Relaxe
     Description: Enjoy the holiday packs with 30% discount
   - Activity Name: Racing
     Description: Get a chance to win premium cars on winning the race
 - Destination Name: Burj Khalifa
   Activities:

Package Name: Dubai Tour
Destinations:
 - Destination Name: Qatar
   Activities:

- Activity Name: Swimming
    Description: Join the Watersports event
  - Activity Name: Running
    Description: Join the 20K running event

  - Destination Name: Atlantis
    Activities:

  - Activity Name: Relaxe
    Description: Enjoy the holiday packs with 30% discount
  - Activity Name: Racing
    Description: Get a chance to win premium cars on winning the race
 - Destination Name: Burj Khalifa
    Activities:

Package Name: Dubai Tour
Destinations:
 - Destination Name: Qatar
    Activities:
  - Activity Name: Swimming
    Description: Join the Watersports event
  - Activity Name: Running
    Description: Join the 20K running event

 - Destination Name: Atlantis
    Activities:

  - Activity Name: Relaxe
    Description: Enjoy the holiday packs with 30% discount
  - Activity Name: Racing
    Description: Get a chance to win premium cars on winning the race
 - Destination Name: Burj Khalifa
    Activities:

Package Name: Dubai Tour
Destinations:
 - Destination Name: Qatar
    Activities:
  - Activity Name: Swimming
    Description: Join the Watersports event
  - Activity Name: Running
    Description: Join the 20K running event

 - Destination Name: Atlantis
    Activities:

- Activity Name: Relaxe
        Description: Enjoy the holiday packs with 30% discount
      - Activity Name: Racing
        Description: Get a chance to win premium cars on winning the race
   - Destination Name: Burj Khalifa
     Activities:

Package Name: Dubai Tour
Destinations:
 - Destination Name: Qatar
   Activities:
    - Activity Name: Swimming
      Description: Join the Watersports event
    - Activity Name: Running
      Description: Join the 20K running event

 - Destination Name: Atlantis
   Activities:

    - Activity Name: Relaxe
      Description: Enjoy the holiday packs with 30% discount
    - Activity Name: Racing
      Description: Get a chance to win premium cars on winning the race
 - Destination Name: Burj Khalifa
   Activities:

Options:
1. Choose a Tour Package
2. Display Enrolled Packages
3. Display Final Details
4. Print Passenger Details
5. Exit
Enter your choice: 4
Passenger Details:
Name: Varun
Passenger Number: 1003
Passenger Type: Premium
Balance: $500.0

Options:
1. Choose a Tour Package
2. Display Enrolled Packages
3. Display Final Details
4. Print Passenger Details
5. Exit
Enter your choice: 5
Exiting.....
Welcome to the Travel Booking System!
Choose your role:

1. Travel Agency
2. Passenger
3. Exit

Choose your option: 1

System successfully initialized for the 'Travel Agency'

Travel Agency Main Menu:
1. Create Packages
2. Display Package Details
3. Display Passengers
4. Exit
Enter your choice: 2
Displaying details...
Package Name: Canada Tour
Passenger Capacity: 0
⬜Destination Name: Banff Forest
⬜⬜Activity Name: Treckking
⬜⬜Description: Explore the Flora and Fauna
⬜⬜Cost: 40.0
⬜⬜Capacity: 1
⬜⬜Activity Name: Cycling
⬜⬜Description: Enjoy the nature breeze
⬜⬜Cost: 10.0
⬜⬜Capacity: 0
⬜Destination Name: Niagra Falls
⬜⬜Activity Name: Boating
⬜⬜Description: Pedal into the beautiful waterfalls
⬜⬜Cost: 60.0
⬜⬜Capacity: 1
⬜⬜Activity Name: Feeding
⬜⬜Description: Get a chance to feed dolphins in nearby waterpark
⬜⬜Cost: 30.0
⬜⬜Capacity: 1

Package Name: Dubai Tour
Passenger Capacity: 1
⬜Destination Name: Qatar
⬜⬜Activity Name: Swimming
⬜⬜Description: Join the Watersports event
⬜⬜Cost: 60.0
⬜⬜Capacity: 4
⬜⬜Activity Name: Running
⬜⬜Description: Join the 20K running event
⬜⬜Cost: 50.0
⬜⬜Capacity: 4
⬜Destination Name: Atlantis
⬜⬜Activity Name: Relaxe
⬜⬜Description: Enjoy the holiday packs with 30% discount
⬜⬜Cost: 100.0
⬜⬜Capacity: 3
⬜⬜Activity Name: Explore
⬜⬜Description: Atlantis is considered as 8th wonder, come and explore
⬜⬜Cost: 20.0
⬜⬜Capacity: 2
⬜⬜Activity Name: Racing
⬜⬜Description: Get a chance to win premium cars on winning the race
⬜⬜Cost: 100.0
⬜⬜Capacity: 1

Destination Name: Burj Khalifa
Activity Name: Skydive
Description: Skydive from the tallest building of the world
Cost: 150.0
Capacity: 3

Travel Agency Main Menu:
1. Create Packages
2. Display Package Details
3. Display Passengers
4. Exit
Enter your choice: 3
Printing Passenger List for Travel Packages...
Travel Package Name: Canada Tour
Passenger Capacity: 0
Number of Passengers Enrolled: 1
Passenger Name: Akhil
Passenger Number: 1001

Travel Package Name: Dubai Tour
Passenger Capacity: 1
Number of Passengers Enrolled: 2
Passenger Name: Rohit
Passenger Number: 1002
Passenger Name: Varun
Passenger Number: 1003

Travel Agency Main Menu:
1. Create Packages
2. Display Package Details
3. Display Passengers
4. Exit
Enter your choice: 4
Exiting Travel Agency. Goodbye!
Welcome to the Travel Booking System!
Choose your role:
1. Travel Agency
2. Passenger
3. Exit

Choose your option: 3
Exiting the program. Goodbye!
BUILD SUCCESSFUL (total time: 24 minutes 4 seconds)