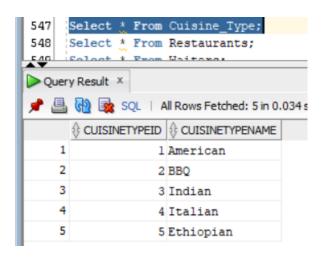
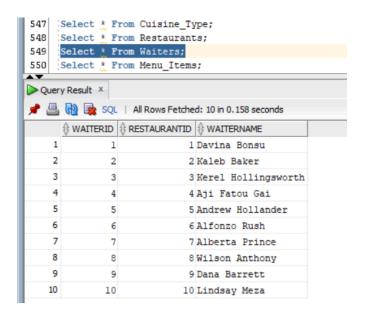
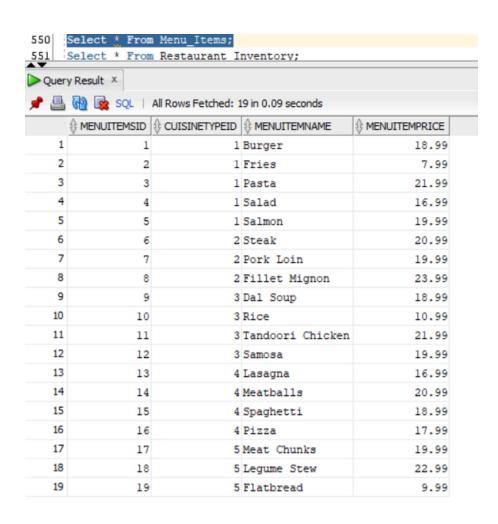
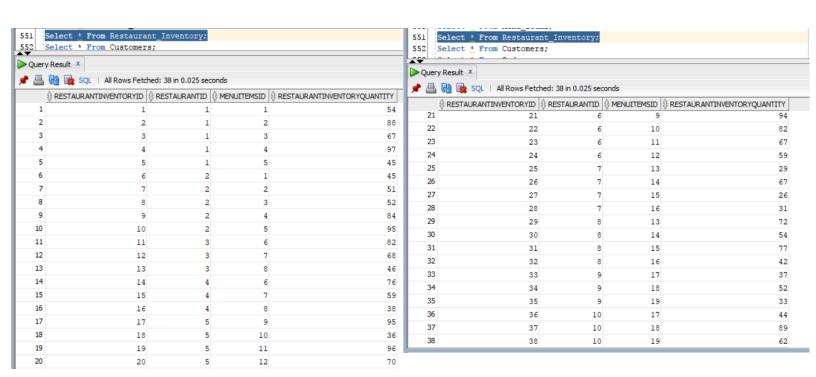
Screenshots Of Database System: Initial Table Data Screenshots:

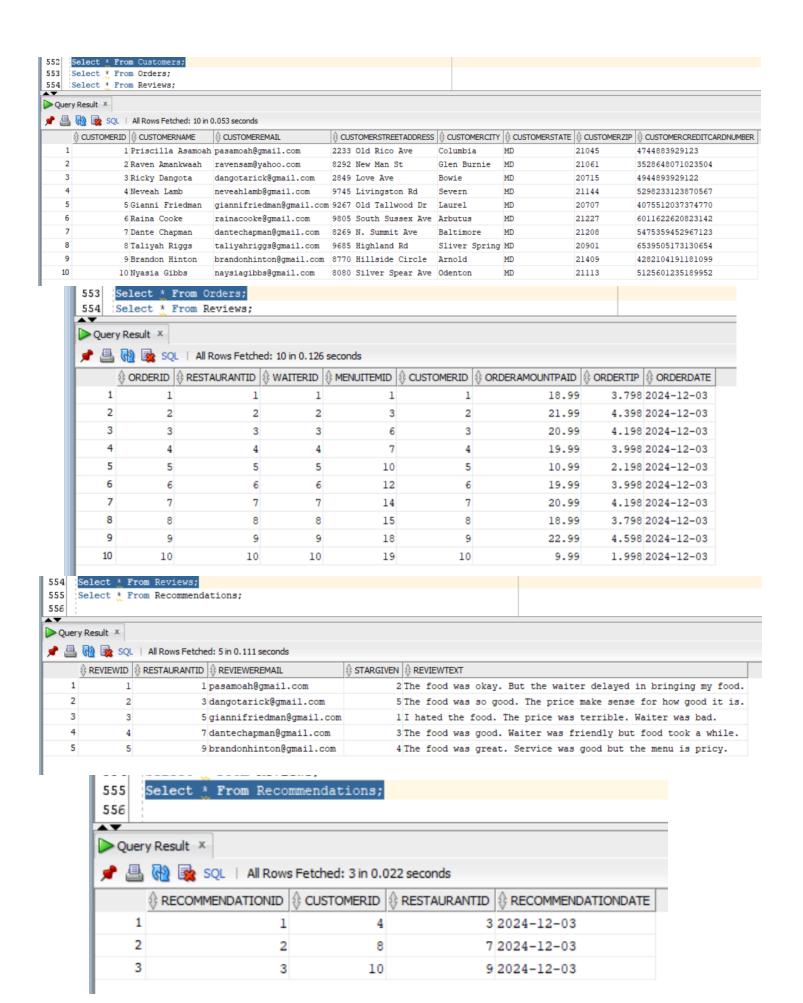








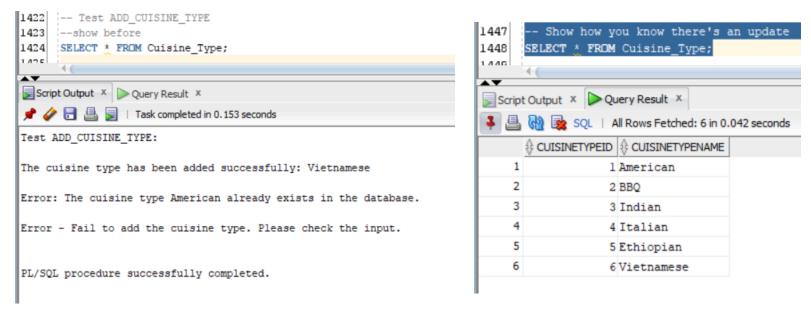




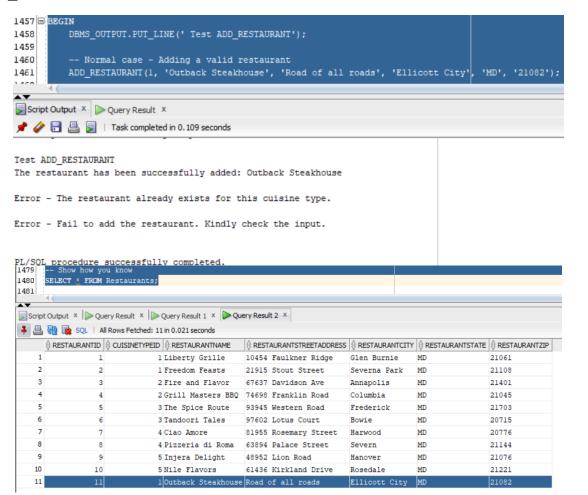
Screenshots of Procedure Test Scripts Output:

Member 1:

Add_Cuisine_Type:



Add_Restaurant:



Display_Restaurants_By_Cuisine:

```
1485 -- Test DISPLAY_RESTAURANTS_BY_CUISINE

1486 BEGIN

1487 DBMS_OUTPUT.PUT_LINE(' Test DISPLAY_RESTAURANTS_BY_CUISINE');

Script Output x Query Result x Query Result 1 x Query Result 2 x

Place of the procedure successfully completed.

Query Result 1 x Query Result 2 x

Query Result 2 x

Query Result 2 x

Address: 10454 Faulkner Ridge

Restaurant: Liberty Grille, Address: 10454 Faulkner Ridge

Restaurant: Freedom Feasts, Address: 21915 Stout Street

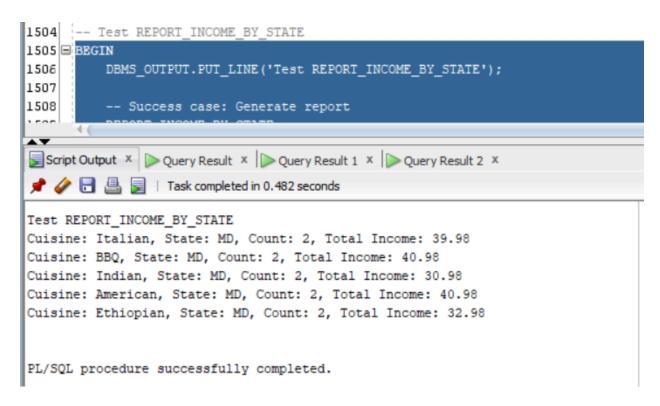
Restaurant: Outback Steakhouse, Address: Road of all roads

Error: This cuisine type is not found.

Error - No cuisine type matches the input provided.

PL/SQL procedure successfully completed.
```

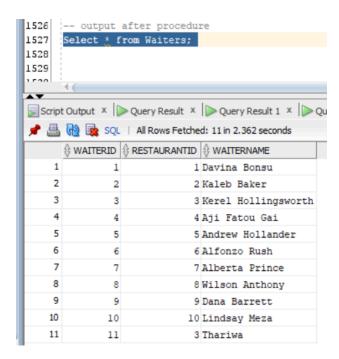
Report_Income_By_State:



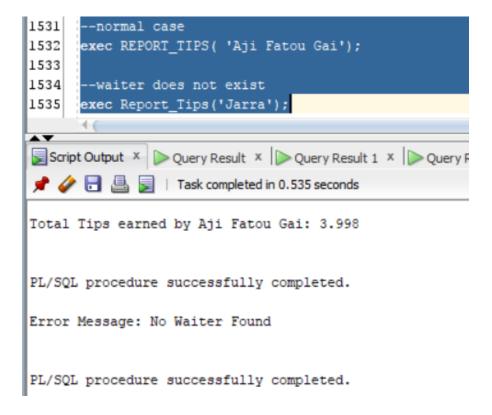
Member 2:

Hire Waiter:

```
1520
      --normal case
1521
      exec Hire_Waiter('Thariwa', 3, 'Fire and Flavor');
1522
      --special case 1: Restaurant does not exist
1523
1524
      exec Hire Waiter('Yamou', 0, 'Liberty');
1525
Script Output X Degree Result X Query Result 1 X Query Result 1 X Query Result
📌 🤌 🔒 💂 📗 | Task completed in 0.323 seconds
Waiter Successfully Hired
PL/SQL procedure successfully completed.
no such restaurant
No Restaurant ID has been generated
PL/SQL procedure successfully completed.
```



Report_Tips:



ReportTips_By_State:

```
1539 --normal case
exec ReportTips_ByState('MD');
1541
1542 --special case: state does not exist
exec ReportTips_ByState('Columbia');
1543
1544

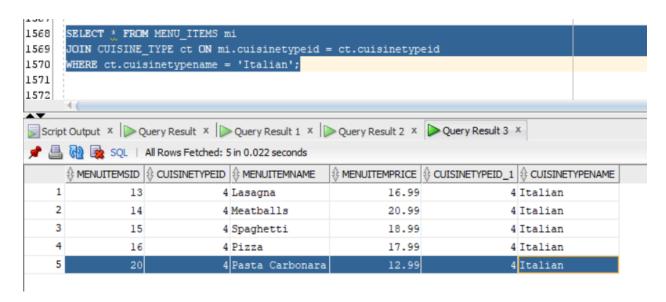
Script Output × Query Result × Query Result 1 × Query Result 1 × Query Result 1 × Query Result 2 × Query Result 3 × Query Result 3 × Query Result 3 × Query Result 3 × Query Result 4 × Query Result 5 × Query Result 6 × Query Result 7 × Query Result 8 × Query Result 9 ×
```

Waiter_List

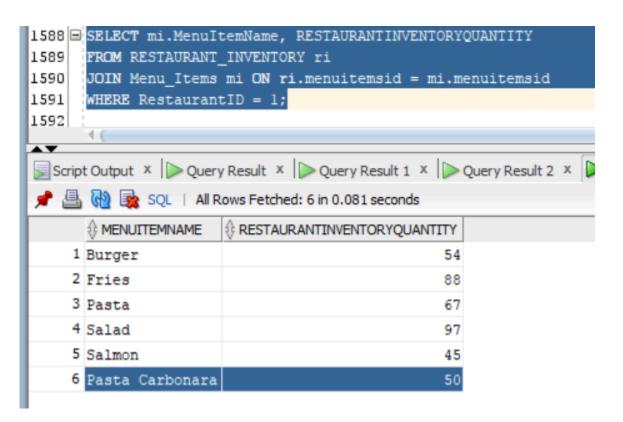
Member 3:

CreateMenuItem:

```
1562
      -- successfully adding a item
1563
      EXEC CreateMenuItem('Pasta Carbonara', 'Italian', 12.99);
1564
1565 -- putting a duplicate item
1566
      EXEC CreateMenuItem('Pasta Carbonara', 'Italian', 12.99);
1567
     SELECT * FROM MENU_ITEMS mi
1568
1569
      JOIN CUISINE TYPE ct ON mi.cuisinetypeid = ct.cuisinetypeid
4
Script Output X Duery Result X Duery Result 1 X Duery Result 2 X Query Result 3
📌 🥜 🖥 🚇 🕎 | Task completed in 0.362 seconds
Success: Menu item has been created.
PL/SQL procedure successfully completed.
Error: Menu item already exists.
PL/SQL procedure successfully completed.
```



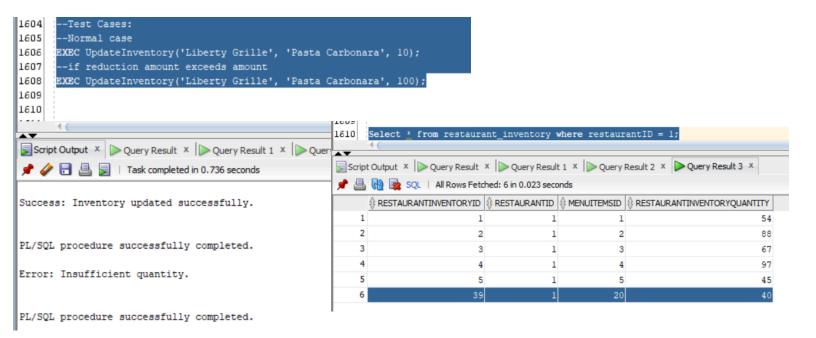
AddMenuItem:



ReportMenuItems:

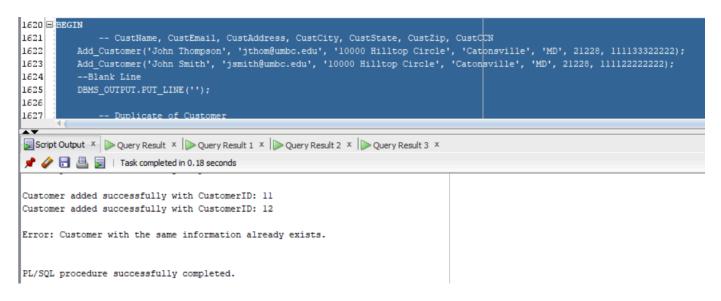
```
1595
      --Test Cases:
1596
       --Normal case
1597
      EXEC ReportMenuItems('Italian');
1598
      -- invalid cuisine name
1599
      EXEC ReportMenuItems('no cuisine ');
1600
Script Output X Query Result X Query Result 1 X Query Result 2 X Query Result 3 X
🎤 🤣 🔡 💂 📗 | Task completed in 0.224 seconds
Name: Lasagna, Price: 16.99
Name: Meatballs, Price: 20.99
Name: Spaghetti, Price: 18.99
Name: Pizza, Price: 17.99
Name: Pasta Carbonara, Price: 12.99
PL/SQL procedure successfully completed.
no such cuisine type
Report not able to be generated
PL/SQL procedure successfully completed.
```

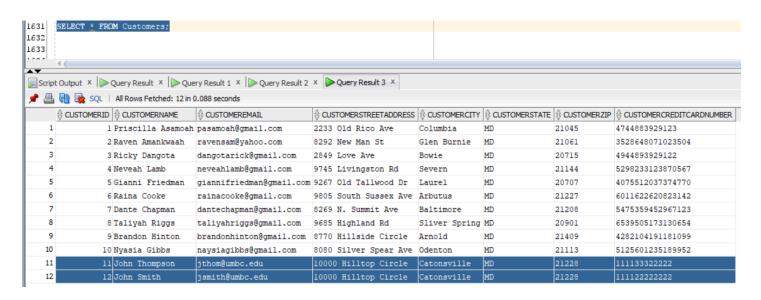
UpdateInventory:



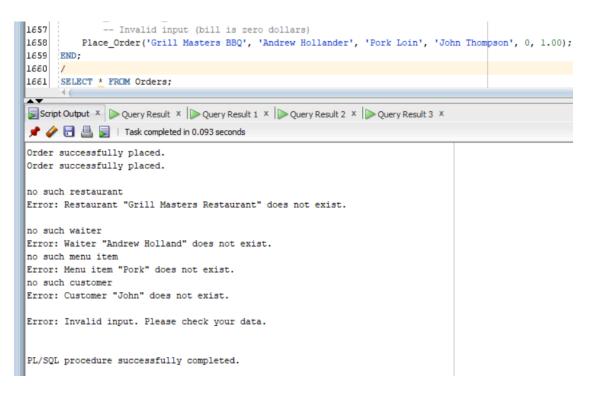
Member 4 (Andrew Hollander):

Add Customer:





Place_Order:



62 63								
•	1(
	t Output ×	Query Result ×	Query Re	esult 1 × DQ	uery Result 2 X	Query Result 3 ×		
4	√ SQ							
	♦ ORDERID						♦ ORDERTIP	♦ ORDERDATE
1	1	1	1	1	1	18.99	3.798	2024-12-03
2	2	2	2	3	2	21.99	4.398	2024-12-03
3	3	3	3	6	3	20.99	4.198	2024-12-03
4	4	4	4	7	4	19.99	3.998	2024-12-03
5	5	5	5	10	5	10.99	2.198	2024-12-03
6	6	6	6	12	6	19.99	3.998	2024-12-03
7	7	7	7	14	7	20.99	4.198	2024-12-03
8	8	8	8	15	8	18.99	3.798	2024-12-03
9	9	9	9	18	9	22.99	4.598	2024-12-03
10	10	10	10	19	10	9.99	1.998	2024-12-03
11	11	4	1	1	12	25.99	5	2024-12-03
12	12	4	5	7	11	20.99	1	2024-12-03

List Orders:

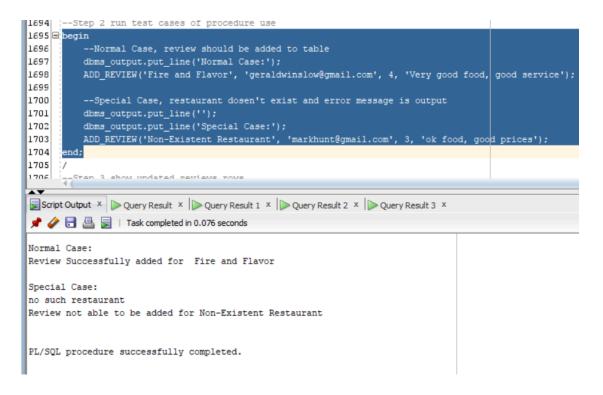
```
1665 -- Test List orders
1666 E BEGIN
1667
              -- Restaurant Name, Date
1668
           List_Orders('Grill Masters BBQ', TO DATE('2024-12-03', 'YYYY-MM-DD'));
1669
               -- No orders on that date
           List_Orders('Grill Masters BBQ', TO DATE('2024-11-28', 'YYYY-MM-DD'));
1670
1671
                - Invalid restaurant name
1672
           List Orders('Grill Masters Restaurant', TO DATE('2024-11-28', 'YYYY-MM-DD'));
1673
 Script Output X Query Result X Query Result 1 X Query Result 2 X Query Result 3 X
 📌 🥔 🔡 💂 📄 | Task completed in 0.116 seconds
PL/SQL procedure successfully completed.
OrderID: 4, WaiterID: 4, MenuItemID: 7, CustomerID: 4, Amount Paid: 19.99, Tip: 3.998
OrderID: 11, WaiterID: 1, MenuItemID: 1, CustomerID: 12, Amount Paid: 25.99, Tip: 5
OrderID: 12, WaiterID: 5, MenuItemID: 7, CustomerID: 11, Amount Paid: 20.99, Tip: 1
Error: no orders found for the specified restaurant and date.
no such restaurant
Error: invalid restaurant name.
PL/SQL procedure successfully completed.
```

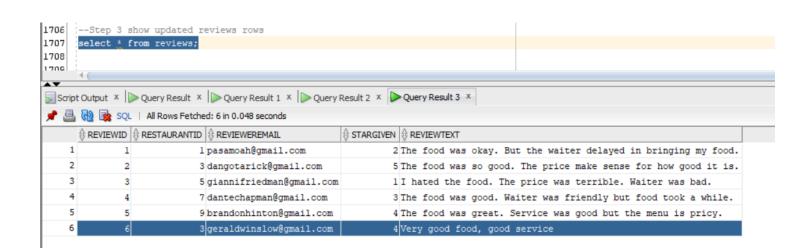
Top_Three_Report:

```
1677 -- Test Top_Three_Report
1678 = BEGIN
1679
           -- Lists out top restaurants in the state, total paid by the customers.
          Top_Three_Report();
1680
       END;
1681
1682
1683
Script Output X Query Result X Query Result 1 X Query Result 2 X Query Result 3 X
🎤 🥒 🔚 💂 📗 | Task completed in 0.146 seconds
--- State: MD ---
Restaurant: Grill Masters BBQ, Total Paid: 66.97
Restaurant: Injera Delight, Total Paid: 22.99
Restaurant: Freedom Feasts, Total Paid: 21.99
PL/SQL procedure successfully completed.
```

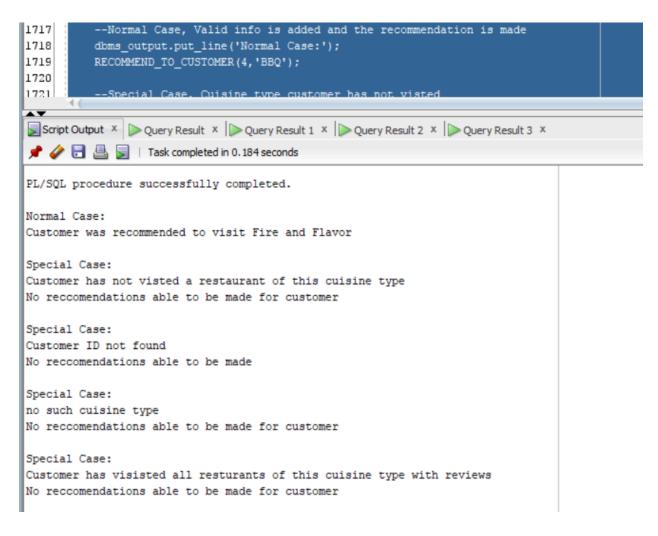
Member 5:

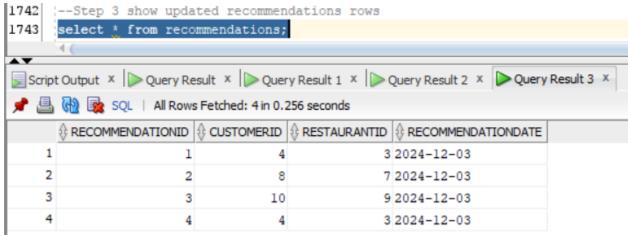
Add Review:





Recommend To Customer:





Buy Or Beware:

```
1747 -- BUY_OR_BEWARE TEST CASES
1748 ⊟ begin
         --Normal Case, Valid number is input and procedure is ran dbms_output.put_line('Normal Case:');
1749
1750
1751
           BUY_OR_BEWARE(3);
 1757
 Script Output X Query Result X Query Result 1 X Query Result 2 X Query Result 3 X
 📌 🥢 🖥 💂 📓 | Task completed in 0.188 seconds
Normal Case:
Top rated restaurants
Avg Stars|Restaurant ID|Restaurants Name|Cuisine Type|Std Dev of Stars
 4.50 | 3 | Fire and Flavor | BBQ | .71
 4.00 | 9 | Injera Delight | Ethiopian |
 3.00 | 7 | Ciao Amore | Italian | .00
Buyer Beware: Stay Away from...
Avg Stars|Restaurant ID|Restaurants Name|Cuisine Type|Std Dev of Stars
 1.00 | 5 | The Spice Route | Indian | .00
 2.00 | 1 | Liberty Grille | American | .00
 3.00 | 7 | Ciao Amore | Italian | .00
Special Case:
Number too large!
Input number can be no greater than 5
 PL/SQL procedure successfully completed.
```

List_Recommendations:

```
create or replace function FIND_CUISINE_TYPE_ID (Cuisine_Name in varchar) return number is Cuisine_ID number; begin select CuisineTypeID into Cuisine_ID from Cuisine_Type where CuisineTypeName LIKE Cuisine_Name; return Cuisine_ID; exception when no_data_found then dbms_output.put_line('no such cuisine type'); return -1; end;
```

Select FIND_CUISINE_TYPE_ID('Italian') from dual;

```
create or replace function FIND_RESTARANT_ID (Restaurant_Name in
varchar) return number
is Restaurant_ID number;
begin
  select RestaurantID into Restaurant ID from Restaurants where RestaurantName LIKE
Restaurant_Name;
  return Restaurant ID;
exception
  when no data found then
  dbms_output.put_line('no such restaurant');
  return -1;
end;
Select FIND_RESTARANT_ID('Liberty Grille') from dual;
create or replace function FIND MENU ITEM ID (Menu Item Name in
varchar) return number
is Menu Item ID number;
begin
  select MenuItemsID into Menu_Item_ID from Menu_Items where MenuItemName LIKE
Menu Item Name;
  return Menu Item ID;
exception
  when no data found then
  dbms_output.put_line('no such menu item');
  return -1;
end:
Select FIND_MENU_ITEM_ID('Pizza') from dual;
create or replace function FIND_CUSTOMER_ID (Customer_Name in
varchar) return number
is Customer_ID number;
begin
  select CustomerID into Customer_ID from Customers where CustomerName LIKE
Customer Name;
  return Customer ID;
exception
  when no data found then
  dbms output.put line('no such customer');
```

```
return -1;
end;
Select FIND_CUSTOMER_ID('Neveah Lamb') from dual;
create or replace function FIND_WAITER_ID (Waiter_Name in
varchar) return number
is Waiter ID number;
begin
  select WaiterID into Waiter ID from Waiters where WaiterName LIKE Waiter Name;
  return Waiter ID;
exception
  when no data found then
  dbms_output.put_line('no such waiter');
  return -1;
end:
Select FIND_WAITER_ID('Kaleb Baker') from dual;
create or replace function FIND ORDER ID (Restuarant Name in
varchar, Waiter_Name in varchar, Menu_Item_Name in varchar, Customer_Name in varchar)
return number
is Order_ID number;
begin
  select OrderID into Order ID from Orders
  where RestaurantID = (Select FIND_RESTARANT_ID(Restuarant_Name) from dual)
  and WaiterID = (Select FIND WAITER ID(Waiter Name) from dual)
  and MenuItemID = (Select FIND MENU ITEM ID(Menu Item Name) from dual)
  and CustomerID = (Select FIND_CUSTOMER_ID(Customer_Name) from dual);
  return Order ID;
exception
  when no data found then
  dbms_output.put_line('no such order');
  return -1;
end;
```

Select FIND_ORDER_ID('Liberty Grille', 'Davina Bonsu', 'Burger', 'Priscilla Asamoah') from dual;