----Create Database-------------

**CREATE** **DATABASE** Workspace **FROM** **DBC** **AS** **PERM** = 100000000;

---Create User-----------

**CREATE** **USER** USER9 **AS** **PASSWORD** = "TEST" **PERM**=100000 **SPOOL**=10000;

----Grant Access to the user on Database-----

**GRANT** **ALL** **ON** Workspace **TO** USER9;

----Create table Workspace.Shippers ---

**CREATE** **MULTISET** **TABLE** Workspace.Shippers

(

ShipperID **INTEGER** **NOT** **NULL**,

CompanyName **VARCHAR**(40) **NOT** **NULL**,

Phone **VARCHAR**(24) **NULL**

)**Primary** **Index**(ShipperID);

**COLLECT** **STATISTICS** **COLUMN**( ShipperID) **ON** Workspace.Shippers ;

**HELP** **STATISTICS** Workspace.Shippers ;

---Create Workspace.Categories table---

**CREATE** **MULTISET** **TABLE** Workspace.Categories

(

CategoryID **INTEGER** **NOT** **NULL**,

CategoryName **VARCHAR**(15) **NOT** **NULL**,

Description **VARCHAR**(100),

Picture **VARCHAR**(100)

)**Primary** **Index**(CategoryID);

**COLLECT** **STATISTICS** **COLUMN**(CategoryID) **ON** Workspace.Categories;

**HELP** **STATISTICS** Workspace.Categories;

--------Create Workspace.Customers table---

**CREATE** **MULTISET** **TABLE** Workspace.Customers

(

CustomerID **VARCHAR**(5) **NOT** **NULL**,

CompanyName **VARCHAR**(40) **NOT** **NULL**,

ContactName **VARCHAR**(30),

ContactTitle **VARCHAR**(30),

Address **VARCHAR**(60),

City **VARCHAR**(32),

Region **VARCHAR**(15),

PostalCode **VARCHAR**(10),

Country **VARCHAR**(15),

Phone **VARCHAR**(24),

Fax **VARCHAR**(24)

)**Primary** **Index**(CustomerID);

**COLLECT** **STATISTICS** **COLUMN**(CustomerID) **ON** Workspace.Customers;

**help** **statistics** Workspace.Customers;

-------Create Workspace.Employees ----

**CREATE** **MULTISET** **TABLE** Workspace.Employees

(

EmployeeID **INTEGER** **NOT** **NULL**,

LastName **VARCHAR**(20) **NOT** **NULL**,

FirstName **VARCHAR**(10) **NOT** **NULL**,

"Title" **VARCHAR**(30),

TitleOfCourtesy **VARCHAR**(25),

BirthDate **DATE**,

HireDate **DATE**,

Address **VARCHAR**(60),

City **VARCHAR**(15),

Region **VARCHAR**(15),

PostalCode **VARCHAR**(10),

Country **VARCHAR**(15),

HomePhone **VARCHAR**(24),

Extension **VARCHAR**(4),

Photo **BLOB**,

Notes **CLOB**,

PhotoPath **VARCHAR**(255)

)**Primary** **Index**(EmployeeID);

**COLLECT** **STATISTICS** **COLUMN**(EmployeeID) **ON** Workspace.Employees;

**HELP** **STATISTICS** Workspace.Employees;

----Create Workspace.Orders table---

**CREATE** **MultiSET** **TABLE** Workspace.Orders

(

OrderID **INTEGER** **not** **null**,

CustomerID **VARCHAR**(5) **not** **null**,

EmployeeID **INTEGER** **not** **null**,

OrderDate **TIMESTAMP**(6),

RequiredDate **TIMESTAMP**(3),

ShippedDate **DATE**,

ShipVia **INTEGER** ,--REFERENCES Workspace.Shippers(ShipperID)--

Freight **DECIMAL**(19,4) **DEFAULT** 0,

ShipName **VARCHAR**(40),

ShipAddress **VARCHAR**(60),

ShipCity **VARCHAR**(32),

ShipRegion **VARCHAR**(15),

ShipPostalCode **VARCHAR**(10),

ShipCountry **VARCHAR**(15)

)**primary** **index**(OrderID);

**COLLECT** **STATISTICS** **COLUMN**(OrderID) **ON** Workspace.Orders ;

**HELP** **STATISTICS** Workspace.Orders ;

-----Create Workspace.PreviousEmployees table---

**CREATE** **MULTISET** **TABLE** Workspace.PreviousEmployees

(

EmployeeID **INTEGER** **NOT** **NULL**,

LastName **VARCHAR**(20) **NOT** **NULL**,

FirstName **VARCHAR**(10) **NOT** **NULL**,

"Title" **VARCHAR**(30),

TitleOfCourtesy **VARCHAR**(25),

BirthDate **DATE**,

HireDate **DATE**,

Address **VARCHAR**(60),

City **VARCHAR**(32),

Region **VARCHAR**(15),

PostalCode **VARCHAR**(10),

Country **VARCHAR**(32),

HomePhone **VARCHAR**(24),

Extension **VARCHAR**(4),

Photo **BLOB**,

Notes **CLOB**,

PhotoPath **VARCHAR**(255)

)**Primary** **Index**(EmployeeID);

**COLLECT** **STATISTICS** **COLUMN** (EmployeeID) **ON** Workspace.PreviousEmployees;

**HELP** **STATISTICS** Workspace.PreviousEmployees;

------create Workspace.Suppliers table--

**CREATE** **MULTISET** **TABLE** Workspace.Suppliers

(

SupplierID **INTEGER** **NOT** **NULL**,

CompanyName **VARCHAR**(40) **NOT** **NULL**,

ContactName **VARCHAR**(30),

ContactTitle **VARCHAR**(30),

Address **VARCHAR**(60),

City **VARCHAR**(15),

Region **VARCHAR**(15),

PostalCode **VARCHAR**(10),

Country **VARCHAR**(15),

Phone **VARCHAR**(24),

Fax **VARCHAR**(24),

HomePage **CLOB**

)**Primary** **Index**(SupplierID);

**COLLECT** **STATISTICS** **COLUMN**(SupplierID) **ON** Workspace.Suppliers;

**HELP** **STATISTICS** Workspace.Suppliers;

-------create Workspace.Products table--

**CREATE** **MULTISET** **TABLE** Workspace.Products

(

ProductID **INTEGER** **NOT** **NULL**,

ProductName **VARCHAR**(40) **NOT** **NULL**,

SupplierID **INTEGER**,

CategoryID **INTEGER**,

QuantityPerUnit **VARCHAR**(20),

UnitPrice **DECIMAL**(19,4) **DEFAULT** 0,

UnitsInStock **SMALLINT** **DEFAULT** 0,

UnitsOnOrder **SMALLINT** **DEFAULT** 0,

ReorderLevel **SMALLINT** **DEFAULT** 0,

Discontinued **BYTEINT** **DEFAULT** 0 **NOT** **NULL**,

DiscontinuedDate **TIMESTAMP**

)**Primary** **Index**(ProductID);

**COLLECT** **STATISTICS** **COLUMN**(ProductID) **ON** Workspace.Products;

**HELP** **STATISTICS** Workspace.Products;

-----create Workspace.Workspace.Regions table

**CREATE** **MULTISET** **TABLE** Workspace.Regions

(

RegionID **INTEGER** **NOT** **NULL**,

RegionDescription **VARCHAR**(50) **NOT** **NULL**

)**Primary** **Index**(RegionID);

**COLLECT** **STATISTICS** **COLUMN** (RegionID) **ON** Workspace.Regions;

**HELP** **STATISTICS** Workspace.Regions;

------Create Workspace.Workspace.Territories

**CREATE** **MULTISET** **TABLE** Workspace.Territories

(

TerritoryID **INTEGER** **NOT** **NULL**,

TerritoryDescription **VARCHAR**(50) **NOT** **NULL**,

RegionID **INTEGER** **NOT** **NULL**

)**Primary** **Index**(TerritoryID);

**COLLECT** **STATISTICS** **COLUMN** (TerritoryID) **ON** Workspace.Territories ;

**HELP** **STATISTICS** Workspace.Territories ;

----create Workspace.OrderDetails table--

**CREATE** **MULTISET** **TABLE** Workspace.OrderDetails

(

OrderID **INTEGER** **NOT** **NULL**,

ProductID **INTEGER** **NOT** **NULL**,

UnitPrice **DECIMAL**(19,4) **DEFAULT** 0 **NOT** **NULL**,

Quantity **SMALLINT** **DEFAULT** 1 **NOT** **NULL**,

Discount **FLOAT** **NOT** **NULL**

)**Primary** **Index**(OrderID, ProductID);

**COLLECT** **STATISTICS** **COLUMN** (OrderID, ProductID) **ON** Workspace.OrderDetails;

**HELP** **STATISTICS** Workspace.OrderDetails;

---Create Workspace.EmployeesTerritories table

**CREATE** **MULTISET** **TABLE** Workspace.EmployeesTerritories

(

EmployeeID **INTEGER** **NOT** **NULL**,

TerritoryID **INTEGER** **NOT** **NULL**

)**Primary** **Index**(EmployeeID, TerritoryID);

**COLLECT** **STATISTICS** **COLUMN** (EmployeeID, TerritoryID) **ON** Workspace.EmployeesTerritories ;

**HELP** **STATISTICS** Workspace.EmployeesTerritories;

---Create Workspace.InternationalOrders

**CREATE** **MULTISET** **TABLE** Workspace.InternationalOrders

(

OrderID **INTEGER** **NOT** **NULL**,

CustomsDescription **VARCHAR**(100) **NOT** **NULL**,

ExciseTax **DECIMAL**(19,4) **NOT** **NULL**

)**Primary** **Index**(OrderID);

**COLLECT** **STATISTICS** **COLUMN** (OrderID) **ON** Workspace.InternationalOrders;

**HELP** **STATISTICS** Workspace.InternationalOrders;