SQL ASSIGNMENT 1

CREATE TABLE[PRODUCT1](

ProductID int not null PRIMARY KEY identity(1,1),

ProductName varchar(50) not null,

SupplierID int not null,

CategoryID int not null,

QuantityPerUnit varchar(50),

UnitPrice DECIMAL(10,3) not null,

UnitsInStock SMALLINT not null,

UnitsOnOrder SMALLINT not null,

ReorderLevel SMALLINT not null,

Discontinued BIT

)

INSERT INTO [PRODUCT1] (ProductName ,SupplierID,CategoryID ,QuantityPerUnit ,UnitPrice ,UnitsInStock ,UnitsOnOrder,ReorderLevel,Discontinued )

VALUES ('Chai ',1,2,'48 - 6 oz jars ',20.000,33,1,0,'false'),

('Chang ',2,1,'48 - 6 oz jars ',24.000,50,0,1,'false'),

('Aniseed Syrup ',1,1,'48 - 6 oz jars ',22.000,52,0,0,'false'),

('Chef Anton Cajun Seasoning ',2,2,'48 - 6 oz jars ',23.000,53,0,0,'false'),

('Chef Antons Gumbo Mix ',2,2,'36 boxes ',21.500,0,0,0,'true'),

('Grandma Boysenberry Spread ',3,2,'12 - 8 oz jars ',25.000,123,0,25,'false'),

('Organic Dried Pears ',3,7,'12 - 1 lb pkgs. ',30.000,15,0,10,'false'),

('Cranberry Sauce',3,2,'12 - 12 oz jars ',40.000,6,0,0,'true'),

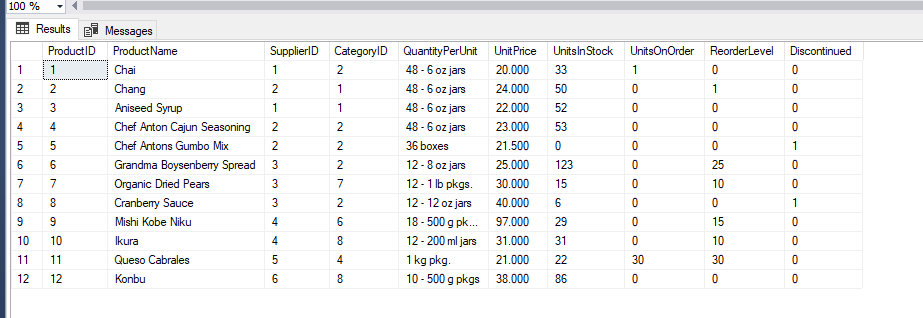
('Mishi Kobe Niku ',4,6,'18 - 500 g pkgs. ',97.000,29,0,15,'false'),

('Ikura ',4,8,'12 - 200 ml jars ',31.000,31,0,10,'false'),

('Queso Cabrales ',5,4,'1 kg pkg. ',21.000,22,30,30,'false'),

('Konbu ',6,8,'10 - 500 g pkgs ',38.000,86,0,0,'false');

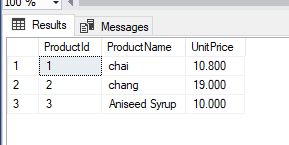
SELECT \* FROM [PRODUCT1]



1. Write a query to get a Product list (id, name, unit price) where current products cost

less than $20.

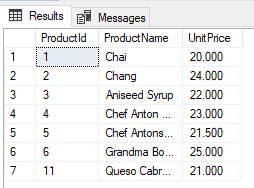
SELECT ProductId,ProductName,UnitPrice FROM [PRODUCT1] WHERE UnitPrice <20;



2. Write a query to get Product list (id, name, unit price) where products cost between

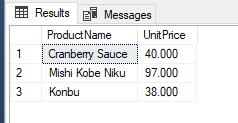
$15 and $25

SELECT ProductId,ProductName,UnitPrice FROM [PRODUCT1] WHERE UnitPrice between 15 and 25;



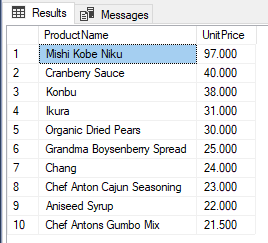
3. Write a query to get Product list (name, unit price) of above average price.

SELECT ProductName,UnitPrice FROM [PRODUCT1] WHERE UnitPrice >(SELECT AVG(Unitprice) FROM [PRODUCT1]);



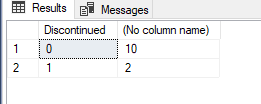
4. Write a query to get Product list (name, unit price) of ten most expensive products

SELECT TOP 10 ProductName,UnitPrice FROM [PRODUCT1] ORDER BYUnitPrice DESC;



5. Write a query to count current and discontinued products

SELECT Discontinued ,COUNT(Discontinued) FROM [PRODUCT1] GROUP BY Discontinued;



6. Write a query to get Product list (name, units on order , units in stock) of stock is less than the quantity on order

SELECT ProductName,UnitsOnOrder,UnitsInStock FROM [PRODUCT1] WHERE UnitsInStock < UnitsOnOrder;

