

Exercise 2 – using functions

1.

Write a SELECT query to display Full name of all employees in lower-case as following:

Full name	titleOfCourtesy
davolio nancy	Ms.
fuller andrew	Dr.
leverling janet	Ms.
peacock margaret	Mrs.
buchanan steven	Mr.
suyama michael	Mr.
king robert	Mr.
callahan laura	Ms.
dodsworth anne	Ms.

2.

Write a SELECT query to display Full name of all employees in upper-case as following:

Full name
DAVOLIO NANCY
FULLER ANDREW
LEVERLING JANET
PEACOCK MARGARET
BUCHANAN STEVEN
SUYAMA MICHAEL
KING ROBERT
CALLAHAN LAURA
DODSWORTH ANNE

3.

Write a SELECT query to display all employees that are from United States as following:

EmployeeID	LastName	FirstName	Title	City	Country
1	Davolio	Nancy	Sales Representative	Seattle	USA
2	Fuller	Andrew	Vice President, Sales	Tacoma	USA
3	Leverling	Janet	Sales Representative	Kirkland	USA
4	Peacock	Margaret	Sales Representative	Redmond	USA
8	Callahan	Laura	Inside Sales Coordinator	Seattle	USA

4.

Write a SELECT query to display all customers that are from UK as following:

CustomerID	CompanyName	ContactName	ContactTitle	Country
AROUT	Around the Horn	Thomas Hardy	Sales Representative	UK
BSBEV	B's Beverages	Victoria Ashworth	Sales Representative	UK
CONSH	Consolidated Holdings	Elizabeth Brown	Sales Representative	UK
EASTC	Eastern Connection	Ann Devon	Sales Agent	UK
ISLAT	Island Trading	Helen Bennett	Marketing Manager	UK
NORTS	North/South	Simon Crowther	Sales Associate	UK
SEVES	Seven Seas Imports	Hari Kumar	Sales Manager	UK

5.

Write a SELECT query to display all customers that are from Mexico as following:

CustomerID	CompanyName	address	city	Country
ANATR	Ana Trujillo Emparedados y helados	Avda. de la Constitución 2222	México D.F.	Mexico
ANTON	Antonio Moreno Taquería	Mataderos 2312	México D.F.	Mexico
CENTC	Centro comercial Moctezuma	Sierras de Granada 9993	México D.F.	Mexico
PERIC	Peicles Comidas clásicas	Calle Dr. Jorge Cash 321	México D.F.	Mexico
TORTU	Tortuga Restaurante	Avda. Azteca 123	México D.F.	Mexico

6.

Write a SELECT query to display all customers that are from Sweden as following:

CustomerID	CompanyName	phone	address	city	Country
BERGS	Berglunds snabbköp	0921-12 34 65	Berguvsvägen 8	Luleå	Sweden
FOLKO	Folk och få HB	0695-34 67 21	Åkergatan 24	Bräcke	Sweden

7.

In Products table, values of UnitsInStock tell you the total units in the inventory of every product. Write a SELECT query to display product id, product name, unit price of all products such that their total units in the inventory is between 5 and 10 as following:

productid	productName	Unitprice	UnitsInStock
8	Northwoods Cranberry Sauce	40.00	6
30	Nord-Ost Matjeshering	25.89	10
32	Mascarpone Fabioli	32.00	9
45	Rogede sild	9.50	5
49	Maxilaku	20.00	10
68	Scottish Longbreads	12.50	6

8.

In Products table, the value of UnitsOnOrder tells you the total ordered units for every product. Write a SELECT query to display product id, product name, unit price, re-order level... of all products that

have total ordered units between 60 and 100 as following:

ProductID	ProductName	unitprice	reorderlevel	UnitsOnOrder
3	Aniseed Syrup	10.00	25	70
31	Gorgonzola Telino	12.50	20	70
45	Rogede sild	9.50	15	70
48	Chocolade	12.75	25	70
49	Maxilaku	20.00	15	60
64	Wimmers gute Semmelknödel	33.25	30	80
66	Louisiana Hot Spiced Okra	17.00	20	100

9.

An order will be taxed 10% if its freight cost is larger than or equal to 100\$.

Otherwise, an order will be taxed 5% if its freight cost is smaller than 100\$.

Write a SELECT query to show the freight with taxes of orders placed between 1/8/1996 and 5/8/1996 as following:

	OrderID	OrderDay	OrderMonth	OrderYear	Freight	tax	Freight with tax
1	10270	1	8	1996	136,54	10%	150,194
2	10271	1	8	1996	4,54	5%	4,767
3	10272	2	8	1996	98,03	5%	102,9315
4	10273	5	8	1996	76,07	5%	79,8735

10.

Write a SELECT query to display the full name, title of courtesy and sex for all employees such that:

- If title of courtesy is 'Mr.' then sex is set to 'Male'
- If title of courtesy is 'Ms.' or 'Mrs.' then sex is set to 'Female'

Full name	titleOfCourtesy	Sex
Buchanan Steven	Mr.	Male
Suyama Michael	Mr.	Male
King Robert	Mr.	Male
Davolio Nancy	Ms.	Female
Leverling Janet	Ms.	Female
Peacock Margaret	Mrs.	Female
Callahan Laura	Ms.	Female
Dodsworth Anne	Ms.	Female

11.

Write a SELECT query to display the full name, title of courtesy and sex for all employees such that:

- If title of courtesy is 'Mr.' or 'Dr.' then sex is set to 'M'
- If title of courtesy is 'Ms.' or 'Mrs.' then sex is set to 'F'

	full name	titleofcourtesy	sex
1	Fuller Andrew	Dr.	M
2	Buchanan Steven	Mr.	M
3	Suyama Michael	Mr.	M
4	King Robert	Mr.	M
5	Davolio Nancy	Ms.	F
6	Leverling Janet	Ms.	F
7	Peacock Margaret	Mrs.	F
8	Callahan Laura	Ms.	F
9	Dodsworth Anne	Ms.	F

12.

Write a SELECT query to display the full name, title of courtesy and sex for all employees such that:

- If title of courtesy is 'Mr.' then sex is set to 'Male'
- If title of courtesy is 'Ms.' or 'Mrs.' then sex is set to 'Female'
- If title of courtesy is not 'Mr.' and not 'Mrs.' and not 'Ms.' then sex is set to 'Unknown'

	full name	titleofcourtesy	sex
1	Buchanan Steven	Mr.	Male
2	Suyama Michael	Mr.	Male
3	King Robert	Mr.	Male
4	Davolio Nancy	Ms.	Female
5	Leverling Janet	Ms.	Female
6	Peacock Margaret	Mrs.	Female
7	Callahan Laura	Ms.	Female
8	Dodsworth Anne	Ms.	Female
9	Fuller Andrew	Dr.	Unknown

13.

Write a SELECT query to display the full name, title of courtesy and sex for all employees such that:

- If title of courtesy is 'Mr.' then sex is set to 1
- If title of courtesy is 'Ms.' or 'Mrs.' then sex is set to 0
- If title of courtesy is not 'Mr.' and not 'Mrs.' and not 'Ms.' then sex is set to 2

	full name	titleofcourtesy	sex
1	Buchanan Steven	Mr.	1
2	Suyama Michael	Mr.	1
3	King Robert	Mr.	1
4	Davolio Nancy	Ms.	0
5	Leverling Janet	Ms.	0
6	Peacock Margaret	Mrs.	0
7	Callahan Laura	Ms.	0
8	Dodsworth Anne	Ms.	0
9	Fuller Andrew	Dr.	2

14.

Write a SELECT query to display the full name, title of courtesy and sex for all employees such that:

- If title of courtesy is 'Mr.' then sex is set to 'M'
- If title of courtesy is 'Ms.' or 'Mrs.' then sex is set to 'F'
- If title of courtesy is not 'Mr.' and not 'Mrs.' and not 'Ms.' then sex is set to 'N/A'

	full name	titleofcourtesy	sex
1	Buchanan Steven	Mr.	M
2	Suyama Michael	Mr.	M
3	King Robert	Mr.	M
4	Davolio Nancy	Ms.	F
5	Leverling Janet	Ms.	F
6	Peacock Margaret	Mrs.	F
7	Callahan Laura	Ms.	F
8	Dodsworth Anne	Ms.	F
9	Fuller Andrew	Dr.	N/A