

## FUNDAMENTALS OF DATABASES – PRACTICAL SESSION 3

On northwind database, write SQL statements to:

1. List all orders made after '2006-03-24'
2. Show product\_code, unit\_price, quantity, value of orders details whose order\_id = 31.  
Note: value can be calculated as unit\_price \* quantity \* (1-discount)
3. Write a query to show the order id, order\_date, the company name of customer, value of each row for orders made after '2006-03-24'
4. Write a query to show information of each order including: order id, order\_date, company name, sub\_total value of orders made after '2006-03-24'
5. Write a query to show information of each order including: order id, order\_date, company name, sub\_total of orders made after '2006-03-24' and sub\_total greater than or equal to 800. Hint: using HAVING

	id	order_date	company	sub_total
►	45	2006-04-07 00:00:00	Company BB	1402.5
	46	2006-04-05 00:00:00	Company I	3690
	47	2006-04-08 00:00:00	Company F	4200
	48	2006-04-05 00:00:00	Company H	1230
	51	2006-04-05 00:00:00	Company Z	1375.25
	55	2006-04-05 00:00:00	Company CC	1218
	58	2006-04-22 00:00:00	Company D	3520
	60	2006-04-30 00:00:00	Company H	1392
	70	2006-05-24 00:00:00	Company K	800
	77	2006-06-05 00:00:00	Company Z	2250
	78	2006-06-05 00:00:00	Company CC	1560
	79	2006-06-23 00:00:00	Company F	2490

6. As the company will give rewards for employees who sold more than 1000\$, the director needs a report listing these employees (full\_name, sale in dolars) from high to low. Write a query for this report. The results will look like the below figure.

7. Create a view consisting all partners (customers and suppliers) of Northwind. The columns consist of company, full\_name, email\_address, and type (C for customers, S for suppliers).
8. Show all categories, eliminate duplicated rows, and sort the results according to alphabet order.
9. Show minimum, maximum, average, standard deviation, and variance of standard\_cost of products.
10. Show the average list\_price of each category.
11. Create a stored procedure listing top n categories whose average prices are highest. The procedure should accept n as a parameter.
12. Among average list\_prices of categories above, show the minimum values.
13. For each purchase\_order, show their id, full\_name of person creating, and full\_name of person approving.