**SQL Basics**

**1.** Write a SQL statement to display all the information of all salesmen.  

*Sample table* : salesman

**2.** Write a SQL statement to display a string "This is SQL Exercise, Practice and Solution".  

**3.** Write a query to display three numbers in three columns.  

**4.** Write a query to display the sum of two numbers 10 and 15 from RDMS sever.  

**5.** Write a query to display the result of an arithmetic expression.  

**6.** Write a SQL statement to display specific columns like name and commission for all the salesmen.     
*Sample table* : salesman

**7.** Write a query to display the columns in a specific order like order date, salesman id, order number and purchase amount from for all the orders.      
*Sample table* : orders

**8.** Write a query which will retrieve the value of salesman id of all salesmen, getting orders from the customers in orders table without any repeats.  

*Sample table* : orders

**9.** Write a SQL statement to display names and city of salesman, who belongs to the city of Paris.  

*Sample table* : salesman

**10.** Write a SQL statement to display all the information for those customers with a grade of 200.   

*Sample table* : customer

**11.** Write a SQL query to display the order number followed by order date and the purchase amount for each order which will be delivered by the salesman who is holding the ID 5001.   

*Sample table*: orders

**12.** Write a SQL query to display the Nobel prizes for 1970.

*Sample table*: nobel\_win

**13.** Write a SQL query to know the winner of the 1971 prize for Literature.

*Sample table*: nobel\_win

**14.** Write a SQL query to display the year and subject that won 'Dennis Gabor' his prize.

*Sample table*: nobel\_win

**15.** Write a SQL query to give the name of the 'Physics' winners since the year 1950.

*Sample table*: nobel\_win

**16.** Write a SQL query to Show all the details (year, subject, winner, country ) of the Chemistry prize winners between the year 1965 to 1975 inclusive.

*Sample table*: nobel\_win

**17.** Write a SQL query to show all details of the Prime Ministerial winners after 1972 of Menachem Begin and Yitzhak Rabin.

*Sample table*: nobel\_win

**18.** Write a SQL query to show all the details of the winners with first name Louis.

*Sample table*: nobel\_win

**19.** Write a SQL query to show all the winners in Physics for 1970 together with the winner of Economics for 1971.

*Sample table*: nobel\_win

**20.** Write a SQL query to show all the winners of nobel prize in the year 1970 except the subject Physiology and Economics.

*Sample table*: nobel\_win

**21.** Write a SQL query to show the winners of a 'Physiology' prize in an early year before 1971 together with winners of a 'Peace' prize in a later year on and after the 1974.

*Sample table*: nobel\_win

**22.** Write a SQL query to find all details of the prize won by Johannes Georg Bednorz.

*Sample table*: nobel\_win

**23.** Write a SQL query to find all the details of the nobel winners for the subject not started with the letter 'P' and arranged the list as the most recent comes first, then by name in order.

*Sample table*: nobel\_win

**24.** Write a SQL query to find all the details of 1970 winners by the ordered to subject and winner name; but the list contain the subject Economics and Chemistry at last.

*Sample table*: nobel\_win

**25.** Write a SQL query to find all the products with a price between Rs.200 and Rs.600.

*Sample table*: item\_mast

**26.** Write a SQL query to calculate the average price of all products of the manufacturer which code is l6.

*Sample table*: item\_mast

**27.** Write a SQL query to find the item name and price in Rs.

*Sample table*: item\_mast

**28.** Write a SQL query to display the name and price of all the items with a price is equal or more than Rs.250, and the list contain the larger price first and then by name in ascending order.

*Sample table*: item\_mast

**29.** Write a SQL query to display the average price of the items for each company, showing only the company code.

*Sample table*: item\_mast

**30.** Write a SQL query to find the name and price of the cheapest item.

*Sample table*: item\_mast

**31.** Write a query in SQL to find the last name of all employees, without duplicates.

*Sample table*: emp\_details

**32.** Write a query in SQL to find the data of employees whose last name is 'Snares'.

*Sample table*: emp\_details

**33.** Write a query in SQL to display all the data of employees that work in the department 57.

*Sample table*: emp\_details

Create the Table and insert the following Data

Salesman

salesman\_id name city commission

----------- ---------- ---------- ----------

5001 James Hoog New York 0.15

5002 Nail Knite Paris 0.13

5005 Pit Alex London 0.11

5006 Mc Lyon Paris 0.14

5003 Lauson Hen 0.12

5007 Paul Adam Rome 0.13

Orders  
ord\_no purch\_amt ord\_date customer\_id salesman\_id

---------- ---------- ---------- ----------- -----------

70001 150.5 2012-10-05 3005 5002

70009 270.65 2012-09-10 3001 5005

70002 65.26 2012-10-05 3002 5001

70004 110.5 2012-08-17 3009 5003

70007 948.5 2012-09-10 3005 5002

70005 2400.6 2012-07-27 3007 5001

70008 5760 2012-09-10 3002 5001

70010 1983.43 2012-10-10 3004 5006

70003 2480.4 2012-10-10 3009 5003

70012 250.45 2012-06-27 3008 5002

70011 75.29 2012-08-17 3003 5007

70013 3045.6 2012-04-25 3002 5001

Customer

customer\_id cust\_name city grade salesman\_id

----------- ------------ ---------- ---------- -----------

3002 Nick Rimando New York 100 5001

3005 Graham Zusi California 200 5002

3001 Brad Guzan London 5005

3004 Fabian Johns Paris 300 5006

3007 Brad Davis New York 200 5001

3009 Geoff Camero Berlin 100 5003

3008 Julian Green London 300 5002

3003 Jozy Altidor Moscow 200 5007

Nobel\_win

YEAR SUBJECT WINNER COUNTRY CATEGORY

---- ------------------------- --------------------------------------------- ------------------------- ------------

1970 Physics Hannes Alfven Sweden Scientist

1970 Physics Louis Neel France Scientist

1970 Chemistry Luis Federico Leloir France Scientist

1970 Physiology Ulf von Euler Sweden Scientist

1970 Physiology Bernard Katz Germany Scientist

1970 Literature Aleksandr Solzhenitsyn Russia Linguist

1970 Economics Paul Samuelson USA Economist

1970 Physiology Julius Axelrod USA Scientist

1971 Physics Dennis Gabor Hungary Scientist

1971 Chemistry Gerhard Herzberg Germany Scientist

1971 Peace Willy Brandt Germany Chancellor

1971 Literature Pablo Neruda Chile Linguist

1971 Economics Simon Kuznets Russia Economist

1978 Peace Anwar al-Sadat Egypt President

1978 Peace Menachem Begin Israel Prime Minister

1987 Chemistry Donald J. Cram USA Scientist

1987 Chemistry Jean-Marie Lehn France Scientist

1987 Physiology Susumu Tonegawa Japan Scientist

1994 Economics Reinhard Selten Germany Economist

1994 Peace Yitzhak Rabin Israel Prime Minister

1987 Physics Johannes Georg Bednorz Germany Scientist

1987 Literature Joseph Brodsky Russia Linguist

1987 Economics Robert Solow USA Economist

1994 Literature Kenzaburo Oe Japan Linguist

Item\_mast

PRO\_ID PRO\_NAME PRO\_PRICE PRO\_COM

------- ------------------------- ---------- ----------

101 Mother Board 3200 15

102 Key Board 450 16

103 ZIP drive 250 14

104 Speaker 550 16

105 Monitor 5000 11

106 DVD drive 900 12

107 CD drive 800 12

108 Printer 2600 13

109 Refill cartridge 350 13

110 Mouse 250 12

Emp\_details

EMP\_IDNO EMP\_FNAME EMP\_LNAME EMP\_DEPT

--------- --------------- --------------- ----------

127323 Michale Robbin 57

526689 Carlos Snares 63

843795 Enric Dosio 57

328717 Jhon Snares 63

444527 Joseph Dosni 47

659831 Zanifer Emily 47

847674 Kuleswar Sitaraman 57

748681 Henrey Gabriel 47

555935 Alex Manuel 57

539569 George Mardy 27

733843 Mario Saule 63

631548 Alan Snappy 27

839139 Maria Foster 57

Emp\_Department

DPT\_CODE DPT\_NAME DPT\_ALLOTMENT

-------- --------------- -------------

57 IT 65000

63 Finance 15000

47 HR 240000

27 RD 55000

89 QC 75000

Company\_Mast

COM\_ID COM\_NAME

------ -------------

11 Samsung

12 iBall

13 Epsion

14 Zebronics

15 Asus

16 Frontech