**The laboratory work 1**

**SQL queries practice**

Sample table: salesman

salesman\_id | name | city | commission

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 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

 5007 | Paul Adam | Rome | 0.13

 5003 | Lauson Hen | San Jose | 0.12

1. Write a SQL statement to display all the information of all salesmen.
2. Write a SQL statement to display specific columns like name and commission for all the salesmen.
3. 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.

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

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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

1. 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.

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

 5007 | Paul Adam | Rome | 0.13

 5003 | Lauson Hen | San Jose | 0.12

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

customer\_id | cust\_name | city | grade | salesman\_id

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 3002 | Nick Rimando | New York | 100 | 5001

 3007 | Brad Davis | New York | 200 | 5001

 3005 | Graham Zusi | California | 200 | 5002

 3008 | Julian Green | London | 300 | 5002

 3004 | Fabian Johnson | Paris | 300 | 5006

 3009 | Geoff Cameron | Berlin | 100 | 5003

 3003 | Jozy Altidor | Moscow | 200 | 5007

 3001 | Brad Guzan | London | | 5005

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

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

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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

1. 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.

YEAR SUBJECT WINNER COUNTRY CATEGORY

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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

1. Write a SQL query to know the winner of the 1971 prize for Literature.
2. Write a SQL query to display the year and subject that won 'Dennis Gabor' his prize.
3. Write a SQL query to give the name of the 'Physics' winners since the year 1950.