**The laboratory work 1**

**SQL queries**

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 an SQL query to display all information about sellers.

2. Write an SQL query to display information on certain columns: name and commission

3. Write an SQL query to display ascending sorted information from a table. Sorting is on all of the following columns in the order listed: order date, salesman id, order number, and purchase amount

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 an SQL query that returns all unique salesman\_ids from the sales-men table.

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 an SQL query that displays data for the names and city columns that belong to Paris.

2. Write an SQL query that displays information about those customers who have a score of 200.

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 an SQL query to display the order number followed by the date of the order and the purchase amount for each order that will be delivered by the seller with ID 5001.

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 that returns the winner of the 1971 Literature Prize.

2. Write an SQL query displaying the year and subject area where Dennis Gabor was the winner.

3. Write an SQL query to name the winners of the physics contest since 1950.

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