**1.** From the following table, write a SQL query to find the details of the customers who have a gradevalue above 100. Return customer\_id, cust\_name, city, grade, and salesman\_id.

*Sample table*: customer

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

-------------+----------------+------------+-------+-------------

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 | JozyAltidor | Moscow | 200 | 5007

3001 | Brad Guzan | London | | 5005

**2.** From the following table, write a SQL query to find all the customers in ‘New York’ city who have a grade value above 100. Return customer\_id, cust\_name, city, grade, and salesman\_id.

*Sample table*: customer

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

-------------+----------------+------------+-------+-------------

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 | JozyAltidor | Moscow | 200 | 5007

3001 | Brad Guzan | London | | 5005

**3.** From the following table, write a SQL query to find the customers who belong to either the city ‘New York’ or have a grade above 100. Return customer\_id, cust\_name, city, grade, and salesman\_id.

*Sample table*: customer

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

-------------+----------------+------------+-------+-------------

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 | JozyAltidor | Moscow | 200 | 5007

3001 | Brad Guzan | London | | 5005

**4.** From the following table, write a SQL query to find the customers who belong to either the city ‘New York’ or not have a grade above 100. Return customer\_id, cust\_name, city, grade, and salesman\_id.

*Sample table*: customer

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

-------------+----------------+------------+-------+-------------

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 | JozyAltidor | Moscow | 200 | 5007

3001 | Brad Guzan | London | | 5005

**5.** From the following table, write a SQL query to find those customers who belong to neither the ‘New York’ city nor their grade value exceeds 100. Return customer\_id, cust\_name, city, grade, and salesman\_id.

*Sample table*: customer

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

-------------+----------------+------------+-------+-------------

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 | JozyAltidor | Moscow | 200 | 5007

3001 | Brad Guzan | London | | 5005

**6.**From the following table, write a SQL query to find details of all order excluding combination of ord\_date equal to '2012-09-10' and salesman\_id higher than 5005 or purch\_amt greater than 1000. Return ord\_no, purch\_amt, ord\_date, customer\_id and salesman\_id.

*Sample table* : orders

ord\_nopurch\_amtord\_datecustomer\_idsalesman\_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

**7.** From the following table, write a SQL query to find the details of those salespeople whose commissions range from 0.10 to0.12. Return salesman\_id, name, city, and commission.

*Sample table* : 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

5007 | Paul Adam | Rome | 0.13

5003 | Lauson Hen | San Jose | 0.12

**8.** From the following table, write a SQL query to find details of all order where purchase amount less than 200 or excluding combination of order date greater than or equal to '2012-02-10' and customer ID less than 3009. Return ord\_no, purch\_amt, ord\_date, customer\_id and salesman\_id.

*Sample table* : orders

**9.**From the following table, write a SQL query to find all orders subject to following conditions. Exclude combination of order date equal to '2012-08-17' or customer ID higher than 3005 and purchase amount less than 1000.

*Sample table* : orders

ord\_nopurch\_amtord\_datecustomer\_idsalesman\_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

ord\_nopurch\_amtord\_datecustomer\_idsalesman\_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

**10.** Write a SQL query to display order number, purchase amount, achieved, the unachieved percentage for those order which exceeds the 50% of the target value of 6000.

*Sample table*: orders

ord\_nopurch\_amtord\_datecustomer\_idsalesman\_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

**11.** From the following table, write a SQL query to find the details of all employees whose last name is ‘Dosni’ or ‘Mardy’. Return emp\_idno, emp\_fname, emp\_lname, and emp\_dept.

*Sample table* :emp\_details

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

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

127323 MichaleRobbin 57

526689 Carlos Snares 63

843795 EnricDosio 57

328717 Jhon Snares 63

444527 Joseph Dosni 47

659831 Zanifer Emily 47

847674 KuleswarSitaraman 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

[Click me to see the solution with result](https://www.w3resource.com/sql-exercises/sql-boolean-operator-exercise-11.php)

**12.** From the following table, write a SQL query to find the employees who works at depart 47 or 63. Return emp\_idno, emp\_fname, emp\_lname, and emp\_dept.

*Sample table* :emp\_details

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

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

127323 MichaleRobbin 57

526689 Carlos Snares 63

843795 EnricDosio 57

328717 Jhon Snares 63

444527 Joseph Dosni 47

659831 Zanifer Emily 47

847674 KuleswarSitaraman 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

[Click me to see the solution with result](https://www.w3resource.com/sql-exercises/sql-boolean-operator-exercise-12.php)

ANSWERS:

Q1.write a SQL query to find the details of the customers who have a gradevalue above 100. Return customer\_id, cust\_name, city, grade, and salesman\_id.

-> select \* from customer where grade>100;

====================================

Q2.write a SQL query to find all the customers in ‘New York’ city who have a grade value above 100. Return customer\_id, cust\_name, city, grade, and salesman\_id.

-> SELECT \* FROM customer WHERE city = 'New York' AND grade>100;

=====================================

Q3.write a SQL query to find the customers who belong to either the city ‘New York’ or have a grade above 100. Return customer\_id, cust\_name, city, grade, and salesman\_id.

-> SELECT \* FROM customer WHERE city = 'New York' OR grade>100;

=====================================

Q4. write a SQL query to find the customers who belong to either the city ‘New York’ or not have a grade above 100. Return customer\_id, cust\_name, city, grade, and salesman\_id.

->SELECT \* FROM customer WHERE city = 'New York' OR NOT grade>100;

=======================================

Q5. write a SQL query to find those customers who belong to neither the ‘New York’ city nor their grade value exceeds 100. Return customer\_id, cust\_name, city, grade, and salesman\_id.

->SELECT \* FROM customer WHERE NOT (city = 'New York' OR grade>100);

=======================================

Q6.write a SQL query to find details of all order excluding combination of ord\_date equal to '2012-09-10' and salesman\_id higher than 5005 or purch\_amt greater than 1000. Return ord\_no, purch\_amt, ord\_date, customer\_id and salesman\_id.

->SELECT \* FROM orders WHERE NOT ((ord\_date ='2012-09-10'AND salesman\_id > 5005) OR purch\_amt > 1000.00);

=======================================Q7.write a SQL query to find the details of those salespeople whose commissions range from 0.10 to0.12. Return salesman\_id, name, city, and commission.

->SELECT salesman\_id,name,city,commission FROM salesman WHERE (commission > 0.10 AND commission< 0.12);

=======================================Q8.write a SQL query to find details of all order where purchase amount less than 200 or excluding combination of order date greater than or equal to '2012-02-10' and customer ID less than 3009. Return ord\_no, purch\_amt, ord\_date, customer\_id and salesman\_id.

->SELECT \* FROM orders WHERE(purch\_amt<200 OR NOT(ord\_date>='2012-02-10' AND customer\_id<3009));

=======================================

Q9.write a SQL query to find all orders subject to following conditions. Exclude combination of order date equal to '2012-08-17' or customer ID higher than 3005 and purchase amount less than 1000

->SELECT \* FROM orders WHERE NOT((ord\_date ='2012-08-17' OR customer\_id>3005) AND purch\_amt<1000);

=======================================

Q10.Write a SQL query to display order number, purchase amount, achieved, the unachieved percentage for those order which exceeds the 50% of the target value of 6000.

->SELECT ord\_no,purch\_amt, (100\*purch\_amt)/6000 AS "Achieved %", (100\*(6000-purch\_amt)/6000) AS "Unachieved %" FROM orders WHERE (100\*purch\_amt)/6000>50;

======================================

Q11.write a SQL query to find the details of all employees whose last name is ‘Dosni’ or ‘Mardy’. Return emp\_idno, emp\_fname, emp\_lname, and emp\_dept.

->SELECT \* FROM emp\_details WHERE emp\_lname ='Dosni' OR emp\_lname= 'Mardy';

=======================================

Q12.write a SQL query to find the employees who works at depart 47 or 63. Return emp\_idno, emp\_fname, emp\_lname, and emp\_dept.

->SELECT \* FROM emp\_details WHERE emp\_dept = 47 OR emp\_dept = 63;