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        | Jozy Altidor   | Moscow     | 200   | 5007        |
| 3001        | Brad Guzan     | London     |       | 5005        |

#### Query:

select customer\_id, cust\_name, city, grade, salesman\_id

from customer

Assignment 19

where grade >100;

(OR)

select \*

from customer

where grade >100;

```
nysql> select * from customer;
 customer_id |
                   cust_name
                                        city
                                                         grade
                                                                   salesman_id
                                         New York
New York
California
          3002
                   Nick Rimando
                                                                             5001
                                                            100
          3007
                   Brad Davis
                                                            200
                                                                             5001
                   Graham Zusi
Julian Green
          3005
                                                            200
                                                                             5002
          3008
                                         London
                                                            300
                                                                             5002
                   Julian Green
Fabian Johnson
Geoff Cameron
Jozy Altidor
Brad Guzan
                                         Paris
Berlin
          3004
                                                            300
                                                                             5006
           3009
                                                            100
                                                                             5003
          3003
                                         Moscow
                                                            200
                                                                             5007
          3001
                                         London
                                                           NULL
                                                                             5005
 rows in set (0.00 sec)
nysql> select customer_id, cust_name, city, grade, salesman_id
       from customer
    -> where grade >100;
 customer_id | cust_name
                                       | city
                                                         grade
                                                                 | salesman_id
          3007
                   Brad Davis
                                         New York
California
                                                                             5001
                                                            200
          3005
                   Graham Zusi
                                                            200
                                                                             5002
           3008
                   Julian Green
                                         London
                                                            300
                                                                             5002
                   Fabian Johnson
Jozy Altidor
          3004
                                         Paris
                                                            300
                                                                             5006
                                         Moscow
                                                                             5007
          3003
                                                            200
 rows in set (0.00 sec)
```

**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      | sa           | lesman_id    |
|----------------|----------------------------|--|----------------------|---|------------|--------------|--------------|
| 3002  <br>3007 | Nick Rimando<br>Brad Davis |  | New York<br>New York |   | 100<br>200 | -+-<br> <br> | 5001<br>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         |

Query:

select \*

from customer

where city="new York" and grade>100;

```
mysql> select *
    -> from customer
    -> where city="new York" and grade>100;
+-----+
| customer_id | cust_name | city | grade | salesman_id |
+------+
| 3007 | Brad Davis | New York | 200 | 5001 |
+-----+
1 row in set (0.00 sec)
```

**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                  | ١.           | city                 | (         | grade      | _alesman_id    |
|----------------|----------------------------|--------------|----------------------|-----------|------------|----------------|
| 3002  <br>3007 | Nick Rimando<br>Brad Davis | -+-<br> <br> | New York<br>New York | <br> <br> | 100<br>200 | 5001<br>  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           |

Query:

Select \*

From customer

Where city ="New York" or grade >100;

```
mysql> Select *
    -> From customer
    -> Where city ="New York" or grade >100;
 customer id | cust name
                                 city
                                              grade
                                                       salesman id
                Nick Rimando
                                  New York
  3002
                                                  100
                                                        5001
 3007
                Brad Davis
                                  New York
                                                  200
                                                        5001
 3005
                Graham Zusi
                                  California
                                                  200
                                                        5002
                Julian Green
 3008
                                  London
                                                  300
                                                        5002
 3004
                 Fabian Johnson
                                  Paris
                                                  300
                                                        5006
                Jozy Altidor
  3003
                                  Moscow
                                                  200
                                                        5007
6 rows in set (0.00 sec)
```

**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 | sa  | lesman_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        | Jozy Altidor   |     | Moscow     |     | 200   |     | 5007      |
| 3001        | Brad Guzan     |     | London     | -   |       |     | 5005      |

Query:

Select \*

From customer

Where city="New York" or NOT grade>100;

(OR)

Select \*

From customer

Where city="New York" or grade <= 100;

```
mysql> Select *
      From customer
   -> Where city="New York" or
                                  NOT grade>100;
 customer id | cust name
                                 city
                                            grade | salesman id
                                 New York
                                               100
         3002
                Nick Rimando
                                                             5001
         3007
                Brad Davis
                                 New York
                                               200
                                                             5001
                Geoff Cameron
                                 Berlin
                                               100
                                                             5003
         3009
 rows in set (0.00 sec)
mysql> Select *
      From customer
    -> Where city="New York" or grade <= 100;
 customer_id | cust_name
                                 city
                                            grade | salesman_id |
                                 New York
         3002
                Nick Rimando
                                               100
                                                             5001
                                 New York
         3007
                Brad Davis
                                               200
                                                             5001
                Geoff Cameron
                                 Berlin
                                                             5003
                                               100
 rows in set (0.00 sec)
```

**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         | Ğ       | grade | sa  | alesman_id |
|-------------|--------------------|---------|--------------|---------|-------|-----|------------|
| 3002        | <br>  Nick Rimando | -+-<br> | <br>New York | -+-<br> | 100   | -+· | 5001       |
| 3007        | Brad Davis         | İ       | New York     | İ       | 200   | i   | 5001       |
| 3005        | Graham Zusi        |         | California   | 1       | 200   |     | 5002       |
| 3008        | Julian Green       |         | London       | 1       | 300   |     | 5002       |
| 3004        | Fabian Johnson     |         | Paris        | 1       | 300   |     | 5006       |
| 3009        | Geoff Cameron      |         | Berlin       | 1       | 100   |     | 5003       |
| 3003        | Jozy Altidor       |         | Moscow       | 1       | 200   |     | 5007       |
| 3001        | Brad Guzan         |         | London       | 1       |       |     | 5005       |

# Query:

select \*

from customer

where NOT(city='New York' OR grade >100);

**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

| purch_amt | ord_date   | customer_id   | salesman_id   |
|-----------|--|---|---|
|           |  |   |   |
| 150.5     | 2012-10-05   | 3005  | 5002  |
| 270.65    | 2012-09-10   | 3001  | 5005  |
| 65.26     | 2012-10-05   | 3002  | 5001  |
| 110.5     | 2012-08-17   | 3009  | 5003  |
| 948.5     | 2012-09-10   | 3005  | 5002  |
| 2400.6    | 2012-07-27   | 3007  | 5001  |
| 5760      | 2012-09-10   | 3002  | 5001  |
| 1983.43   | 2012-10-10   | 3004  | 5006  |
| 2480.4    | 2012-10-10   | 3009  | 5003  |
| 250.45    | 2012-06-27   | 3008  | 5002  |
| 75.29     | 2012-08-17   | 3003  | 5007  |
| 3045.6    | 2012-04-25   | 3002  | 5001  |
|           | 150.5<br>270.65<br>65.26<br>110.5<br>948.5<br>2400.6<br>5760<br>1983.43<br>2480.4<br>250.45<br>75.29 | 150.5 2012-10-05<br>270.65 2012-09-10<br>65.26 2012-08-17<br>948.5 2012-09-10<br>2400.6 2012-07-27<br>5760 2012-09-10<br>1983.43 2012-10-10<br>2480.4 2012-10-10<br>250.45 2012-08-17 | 150.5 2012-10-05 3005<br>270.65 2012-09-10 3001<br>65.26 2012-10-05 3002<br>110.5 2012-08-17 3009<br>948.5 2012-09-10 3005<br>2400.6 2012-07-27 3007<br>5760 2012-09-10 3002<br>1983.43 2012-10-10 3004<br>2480.4 2012-10-10 3009<br>250.45 2012-08-17 3003 |

## Query:

select \*

from orders

where NOT ((ord\_date = '2012-09-10'

AND salesman\_id>5005)

OR purch\_amt>1000);

```
mysql> select
           from orders
           where NOT ((ord_date ='2012-09-10'
           AND salesman_id>5005)
           OR purch_amt>1000);
        purch amt ord date
 ord no
                                   customer id | salesman id
  70001
               150.5 | 2012-10-05
                                            3005
                                                           5002
  70009
              270.65
                                            3001
                                                           5005
                       2012-09-10
               65.26
  70002
                       2012-10-05
                                            3002
                                                           5001
  70004
              110.5
                       2012-08-17
                                            3009
                                                           5003
  70007
               948.5
                       2012-09-10
                                            3005
                                                           5002
  70012
              250.45
                       2012-06-27
                                            3008
                                                           5002
               75.29 | 2012-08-17
  70011
                                            3003
                                                           5007
 rows in set (0.00 sec)
```

**7.** From the following table, write a SQL query to find the details of those salespeople whose commissions range from 0.10 to 0.12. Return salesman\_id, name, city, and commission.

# Sample table: salesman

| salesman_id | name       | -        |      |
|-------------|------------|----------|------|
| ·           | James Hoog | •        |      |
| 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 |

## Query

Select \*

#### From salesman

Where commission between 0.10 and 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

| 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        |
|        |           |            |             |             |

#### Query:

Select \*

From orders

Where (purch\_amt<200 OR

NOT (ord\_date>='2010-02-10'

AND customer id<3009));

```
mysql> Select *
    -> From orders
   -> Where (purch_amt<200 OR
   -> NOT (ord_date>='2010-02-10'
   -> AND customer id<3009));
 ord_no | purch_amt | ord_date
                                  customer_id | salesman_id
              150.5 | 2012-10-05
   70001
                                           3005
                                                         5002
              65.26
  70002
                     2012-10-05
                                           3002
                                                         5001
              110.5 | 2012-08-17
                                           3009
   70004
                                                         5003
  70003
              2480.4 | 2012-10-10
                                           3009
                                                         5003
   70011
               75.29 | 2012-08-17
                                           3003
                                                         5007
 rows in set (0.00 sec)
```

**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_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        |

#### Query:

Select \*

From orders

Where NOT ((ord\_date='2012-08-17'

OR customer\_id>3005)

AND purch\_amt<1000);

```
mysql> Select *
   -> From orders
   -> Where NOT ((ord_date='2012-08-17'
   -> OR customer_id>3005)
   -> AND purch_amt<1000);
 ord_no | purch_amt | ord_date
                                   | customer_id | salesman_id
                                                            5002
  70001
               150.5
                       2012-10-05
                                             3005
  70009
              270.65
                       2012-09-10
                                             3001
                                                            5005
                       2012-10-05
                                                            5001
  70002
               65.26
                                             3002
  70007
               948.5
                       2012-09-10
                                             3005
                                                            5002
  70005
              2400.6
                       2012-07-27
                                             3007
                                                            5001
  70008
                5760
                       2012-09-10
                                             3002
                                                            5001
                                                            5006
  70010
             1983.43
                       2012-10-10
                                             3004
  70003
              2480.4
                       2012-10-10
                                             3009
                                                            5003
  70013
              3045.6
                       2012-04-25
                                             3002
                                                            5001
 rows in set (0.00 sec)
```

**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_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        |

## Query:

Select ord\_no, purch\_amt,

(100\*purch amt)/6000) AS "Achived Percentage",

(100\*(6000-purch amt)/6000) AS "Unachived Percentage"

#### From orders

Where (100\*purch amt)/6000>50;

**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 E | 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       |
| _          |           |           |          |

Query:

Select \*

From emp\_details

Where emp\_Iname in ('Dosni', 'Mardy');

(OR)

Select \*

From emp\_details

Where emp\_Iname = 'Dosni' OR emp\_Iname= 'Mardy';

```
mysql> Select *
   -> From emp_details
   -> Where emp_lname in ('Dosni' , 'Mardy');
 EMP_IDNO | EMP_FNAME | EMP_LNAME | EMP_DEPT
   444527 | Joseph
                        Dosni
   539569 | George
                      Mardy
                                           27
 rows in set (0.00 sec)
mysql> Select *
   -> From emp_details
   -> Where emp_lname = 'Dosni' OR emp_lname= 'Mardy';
EMP_IDNO | EMP_FNAME | EMP_LNAME | EMP_DEPT |
   444527
          Joseph
                        Dosni
   539569
            George
                        Mardy
                                           27
 rows in set (0.00 sec)
```

**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 B | 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       |
|            |           |           |          |

## Query:

Select \*

From emp\_details

Where emp\_dept in (47,63);

```
mysql> Select *
    -> From emp_details
    -> Where emp_dept in (47,63);
  EMP IDNO | EMP FNAME | EMP LNAME | EMP DEPT
             Carlos
    526689
                         Snares
                                            63
    328717
             Jhon
                         Snares
                                            63
    444527
             Joseph
                         Dosni
                                            47
             Zanifer
    659831
                         Emily
                                            47
    748681
             Henrey
                         Gabriel
                                            47
           Mario
                         Saule
    733843
                                            63
6 rows in set (0.00 sec)
```