

**ADVANCED DBMS LAB****Experiment No.: 4****Aim**

To familiarize with aggregate functions

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**QUESTION**

- 1.List total loan.
- 2.List total deposit.
- 3.List total loan taken from KAROLBAGH branch.
- 4.List total deposit of customers having account date later than 1-Jan-96.
- 5.List total deposit of customers living in city NAGPUR.
- 6.List maximum deposit of customer living in Bombay.
- 7.List total deposit of customer having branch in BOMBAY.
- 8.Count total number of branch cities.
- 9.Count total number of customers cities.
- 10.Give branch names and branch wise deposit.
- 11.Give city wise name and branch wise deposit.
- 12.Give the branch wise loan of customer living in NAGPUR.
- 13.Count total number of customers.
- 14.Count total number of depositors branch wise.
- 15.Give maximum loan from branch VRCE.
- 16.Give the number of customers who are depositors as well as borrowers.

**PROCEDURE****1.List total loan.**

82 • `SELECT SUM(AMOUNT) FROM BORROW;`

**2.List total deposit.**

83 • `SELECT SUM(AMOUNT) FROM DEPOSIT;`

**3.List total loan taken from KAROLBAGH branch.**

84 • `SELECT MAX(AMOUNT) FROM BORROW WHERE BNAME = 'KAROLBAGH';`

**4.List total deposit of customers having account date later than 1-Jan-96.**

85 • `SELECT SUM(AMOUNT) from deposit where adate>'1995-03-01';`

**5.List total deposit of customers living in city NAGPUR.**

86 • `SELECT SUM(D1.AMOUNT) FROM DEPOSIT D1 , CUSTOMER C1 WHERE C1.CITY = 'NAGPUR' AND C1.CNAME = D1.CNAME;`

**6.List maximum deposit of customer living in Bombay.**

87 • `SELECT MAX(D1.AMOUNT) FROM DEPOSIT D1 , CUSTOMER C1 WHERE C1.CITY = 'Bombay' AND C1.CNAME = D1.CNAME;`

**7.List total deposit of customer having branch in BOMBAY.**

88 • `SELECT SUM(AMOUNT) from deposit,BRANCH where city='BOMBAY';`

**8.Count total number of branch cities.**

89 • `SELECT COUNT(DISTINCT(CITY)) FROM BRANCH;`

**9.Count total number of customers cities.**

90 • `SELECT count(city) from CUSTOMER;`

**10.Give branch names and branch wise deposit.**

91 • `SELECT BNAME , SUM(AMOUNT) FROM DEPOSIT GROUP BY BNAME;`

**11.Give city wise name and branch wise deposit.**

92 • `SELECT C1.CITY , SUM(D1.AMOUNT) FROM CUSTOMER C1 , DEPOSIT D1 WHERE D1.CNAME = C1.CNAME GROUP BY C1.CITY;`

**12.Give the branch wise loan of customer living in NAGPUR.**

93 • `SELECT BNAME , SUM(AMOUNT) FROM BORROW,CUSTOMER WHERE city = 'NAGPUR' GROUP BY BNAME;`

**13.Count total number of customers.**

94 • `SELECT count(cname) from CUSTOMER;`

**14.Count total number of depositors branch wise.**

95 • `select BName, count(*) from DEPOSIT, CUSTOMER where deposit.CNAME = CUSTOMER.CNAME group by BNAME;`

**15.Give maximum loan from branch VRCE.**

96 • `SELECT MAX(AMOUNT) FROM BORROW WHERE BNAME = 'VRCE';`

**16.Give the number of customers who are depositors as well as borrowers.**

98 • `SELECT count(DEPOSIT.CNAME) FROM DEPOSIT WHERE CNAME IN (SELECT CNAME FROM BORROW);`

**Output Screenshot****1.List total loan.**

|             |             |              |  |         |  |                    |  |
|-------------|-------------|--------------|--|---------|--|--------------------|--|
| Result Grid |             | Filter Rows: |  | Export: |  | Wrap Cell Content: |  |
|             | SUM(AMOUNT) |              |  |         |  |                    |  |
| ▶           | 22000       |              |  |         |  |                    |  |

**2.List total deposit.**

|             |             |              |  |         |  |                    |  |
|-------------|-------------|--------------|--|---------|--|--------------------|--|
| Result Grid |             | Filter Rows: |  | Export: |  | Wrap Cell Content: |  |
|             | SUM(AMOUNT) |              |  |         |  |                    |  |
| ▶           | 24200       |              |  |         |  |                    |  |

**3.List total loan taken from KAROLBAGH branch.**

|             |             |              |  |         |  |                    |  |
|-------------|-------------|--------------|--|---------|--|--------------------|--|
| Result Grid |             | Filter Rows: |  | Export: |  | Wrap Cell Content: |  |
|             | MAX(AMOUNT) |              |  |         |  |                    |  |
| ▶           | NULL        |              |  |         |  |                    |  |

**4.List total deposit of customers having account date later than 1-Jan-96.**

|             |             |              |  |         |  |                    |  |
|-------------|-------------|--------------|--|---------|--|--------------------|--|
| Result Grid |             | Filter Rows: |  | Export: |  | Wrap Cell Content: |  |
|             | SUM(AMOUNT) |              |  |         |  |                    |  |
| ▶           | 11500       |              |  |         |  |                    |  |

**5.List total deposit of customers living in city NAGPUR.**

|             |                |              |  |         |  |                    |  |
|-------------|----------------|--------------|--|---------|--|--------------------|--|
| Result Grid |                | Filter Rows: |  | Export: |  | Wrap Cell Content: |  |
|             | SUM(D1.AMOUNT) |              |  |         |  |                    |  |
| ▶           | 4200           |              |  |         |  |                    |  |

**6.List maximum deposit of customer living in Bombay.**

|             |                |              |  |         |  |                    |  |
|-------------|----------------|--------------|--|---------|--|--------------------|--|
| Result Grid |                | Filter Rows: |  | Export: |  | Wrap Cell Content: |  |
|             | MAX(D1.AMOUNT) |              |  |         |  |                    |  |
| ▶           | 5000           |              |  |         |  |                    |  |

**7.List total deposit of customer having branch in BOMBAY.**

|             |             |              |  |         |  |                    |  |
|-------------|-------------|--------------|--|---------|--|--------------------|--|
| Result Grid |             | Filter Rows: |  | Export: |  | Wrap Cell Content: |  |
|             | SUM(AMOUNT) |              |  |         |  |                    |  |
| ▶           | 48400       |              |  |         |  |                    |  |

**8.Count total number of branch cities.**

|             |                       |              |  |         |  |                    |  |
|-------------|-----------------------|--------------|--|---------|--|--------------------|--|
| Result Grid |                       | Filter Rows: |  | Export: |  | Wrap Cell Content: |  |
|             | COUNT(DISTINCT(CITY)) |              |  |         |  |                    |  |
| ▶           | 4                     |              |  |         |  |                    |  |

**9.Count total number of customers cities.**

|             |              |         |                    |
|-------------|--------------|---------|--------------------|
| Result Grid | Filter Rows: | Export: | Wrap Cell Content: |
| count(city) |              |         |                    |
| 10          |              |         |                    |

**10.Give branch names and branch wise deposit.**

|             |              |         |                    |
|-------------|--------------|---------|--------------------|
| Result Grid | Filter Rows: | Export: | Wrap Cell Content: |
| BNAME       | SUM(AMOUNT)  |         |                    |
| VRCE        | 1000         |         |                    |
| ANJNI       | 500          |         |                    |
| KAROLBAGH   | 3500         |         |                    |
| CHANDNI     | 1200         |         |                    |
| MG ROAD     | 3000         |         |                    |
| ANDHERI     | 2000         |         |                    |
| VIRAR       | 1000         |         |                    |
| NEHRU PLACE | 5000         |         |                    |
| POWAI       | 7000         |         |                    |

**11.Give city wise name and branch wise deposit.**

|             |                |         |                    |
|-------------|----------------|---------|--------------------|
| Result Grid | Filter Rows:   | Export: | Wrap Cell Content: |
| CITY        | SUM(D1.AMOUNT) |         |                    |
| CALCUTTA    | 1000           |         |                    |
| DELHI       | 500            |         |                    |
| BARODA      | 3500           |         |                    |
| NAGPUR      | 4200           |         |                    |
| SURAT       | 2000           |         |                    |
| BOMBAY      | 6000           |         |                    |

**12.Give the branch wise loan of customer living in NAGPUR.**

|             |              |         |                    |
|-------------|--------------|---------|--------------------|
| Result Grid | Filter Rows: | Export: | Wrap Cell Content: |
| BNAME       | SUM(AMOUNT)  |         |                    |
| VRCE        | 2000         |         |                    |
| AJNI        | 10000        |         |                    |
| DHARAMPETH  | 6000         |         |                    |
| ANDHERI     | 4000         |         |                    |
| VIRAR       | 16000        |         |                    |
| NEHRU PLACE | 6000         |         |                    |

**13.Count total number of customers.**

|              |              |         |                    |
|--------------|--------------|---------|--------------------|
| Result Grid  | Filter Rows: | Export: | Wrap Cell Content: |
| count(cname) |              |         |                    |
| 10           |              |         |                    |

**14.Count total number of depositors branch wise.**

| Result Grid |             |          | Filter Rows: | Export: | Wrap Cell Content: |
|-------------|-------------|----------|--------------|---------|--------------------|
|             | BName       | count(*) |              |         |                    |
| ▶           | VRCE        | 1        |              |         |                    |
|             | ANJNI       | 1        |              |         |                    |
|             | KAROLBAGH   | 1        |              |         |                    |
|             | CHANDNI     | 1        |              |         |                    |
|             | MG ROAD     | 1        |              |         |                    |
|             | ANDHERI     | 1        |              |         |                    |
|             | VIRAR       | 1        |              |         |                    |
|             | NEHRU PLACE | 1        |              |         |                    |

**15.Give maximum loan from branch VRCE.**

| Result Grid |             |  | Filter Rows: | Export: | Wrap Cell Content: |
|-------------|-------------|--|--------------|---------|--------------------|
|             | MAX(AMOUNT) |  |              |         |                    |
| ▶           | 1000        |  |              |         |                    |

**16.Give the number of customers who are depositors as well as borrowers.**

| Result Grid |                      |  | Filter Rows: | Export: | Wrap Cell Content: |
|-------------|----------------------|--|--------------|---------|--------------------|
|             | count(DEPOSIT.CNAME) |  |              |         |                    |
| ▶           | 6                    |  |              |         |                    |