

Experiment 5

Aim: To familiarize with aggregate functions

Questions

1. List total loan

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

2. List total deposit

3. List total loan taken from KAROLBAGH branch

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

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.Count total number of depositors branch wise

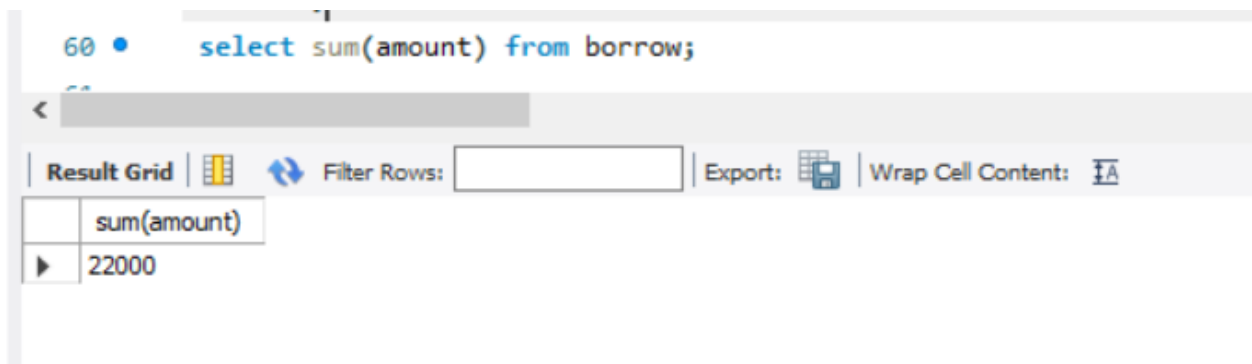
16.Give maximum loan from branch VRCE

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

Answers

1.List total loan

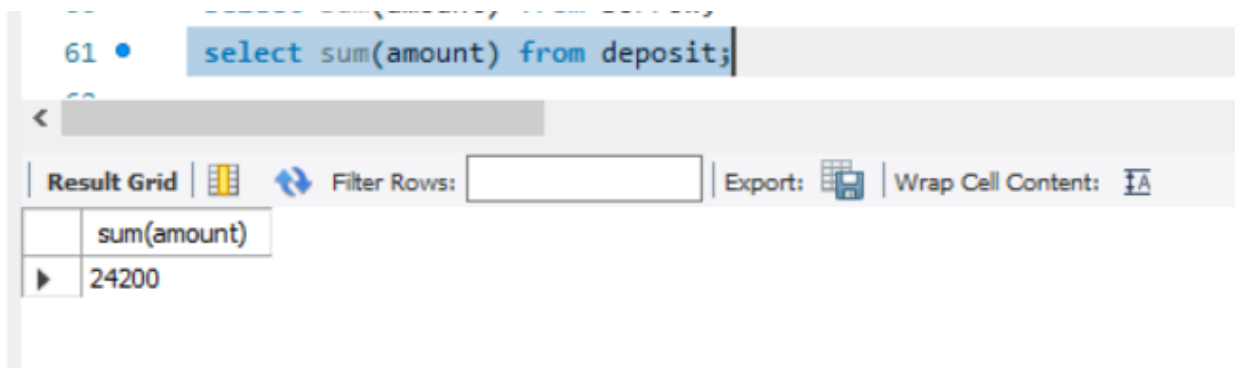
```
SELECT SUM(AMOUNT) FROM BORROW;
```



The screenshot shows a SQL query editor with the query `select sum(amount) from borrow;` entered. Below the query, there is a toolbar with options like 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'. The 'Result Grid' is active, displaying a single row with the column header `sum(amount)` and the value `22000`.

sum(amount)
22000

2.List total deposit







The screenshot shows a SQL query editor with the query `select sum(amount) from deposit;` entered. Below the query, there is a toolbar with options like 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'. The 'Result Grid' is active, displaying a single row with the column header `sum(amount)` and the value `24200`.

sum(amount)
24200

3.List total loan taken from KAROLBAGH branch

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





```
62 • select max(amount) from borrow where bname="KAROLBAGH";
```

<   Filter Rows: | Export:  | Wrap Cell Content: 

	max(amount)
▶	NULL

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





```
62 • select sum(amount) from deposit where adate>'1995-03-01';
```

<   Filter Rows: | Export:  | Wrap Cell Content: 

	sum(amount)
▶	23200

5. List total deposit of customers living in city NAGPUR

```
63 • select sum(d1.amount) from deposit d1, customer c1 where c1.city="NAGPUR"
```

<   Filter Rows: | Export:  | Wrap Cell Content: 

	sum(d1.amount)
▶	4200

6. List maximum deposit of customer living in Bombay

```
64 • select max(d1.amount) from deposit d1, customer c1 where c1.city="BOMBAY"
```

<

	max(d1.amount)
▶	5000

7. List total deposit of customer having branch in BOMBAY

```
65 • select sum(amount) from deposit, branch where city="BOMBAY";
```

<

	sum(amount)
▶	48400

8. Count total number of branch cities

```
66 • select count(distinct(city)) from branch;
```

<

	count(distinct(city))
▶	4

9. Count total number of customers cities

67 • `select count(city) from customer;`

Result Grid

	count(city)
▶	10

10. Give branch names and branch wise deposit

68 • `select bname, sum(amount) from deposit group by bname;`

Result Grid

	bname	sum(amount)
▶	AGNI	500
	ANDHERI	2000
	CHANDNI	1200
	KAROLBAGH	3500
	MG ROAD	3000
	NEHRU PALACE	5000
	POWAI	7000
	VRICE	2000

11. Give city wise name and branch wise deposit

69 • `select c1.city, sum(d1.amount) from customer c1, deposit d1 where`

Result Grid

	city	sum(d1.amount)
▶	CALCUTTA	1000
	DELHI	500
	BARODA	3500
	NAGPUR	4200
	SURAT	2000
	BOMBAY	6000
	PATNA	7000

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

```
70 • select bname,sum(amount) from borrow,customer where city="NAGPUR" group
```

<

Result Grid | | Filter Rows: | Export: | Wrap Cell Content:

	bname	sum(amount)
▶	VRICE	18000
	AGNI	10000
	DHARAMPETH	6000
	ANDHERI	4000
	NEHRU PALACE	6000

13. Count total number of customers

```
71 • select count(cname) from customer;
```

<

Result Grid | | Filter Rows: | Export: | Wrap Cell Content:

	count(cname)
▶	10

14. Count total number of depositors branch wise

```
72 • select bname,count(*) from deposit,customer where deposit.cname=c
```

<

Result Grid | | Filter Rows: | Export: | Wrap Cell Content:

	bname	count(*)
▶	VRICE	2
	AGNI	1
	KAROLBAGH	1
	CHANDNI	1
	MG ROAD	1
	ANDHERI	1
	NEHRU PALACE	1
	POWAI	1

15.Count total number of depositors branch wise

```
72 • select bname,count(*) from deposit,customer where deposit.cname=c
```

<

Result Grid | | Filter Rows: | Export: | Wrap Cell Content:

	bname	count(*)
▶	VRICE	2
	AGNI	1
	KAROLBAGH	1
	CHANDNI	1
	MG ROAD	1
	ANDHERI	1
	NEHRU PALACE	1
	POWAI	1

16.Give maximum loan from branch VRCE

```
73 • select max(amount) from borrow where bname="VRCE";
```

<

Result Grid | | Filter Rows: | Export: | Wrap Cell Content:

	max(amount)
▶	NULL

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