

EXPERIMENT NO. 5

Aim

To familiarize with aggregate functions

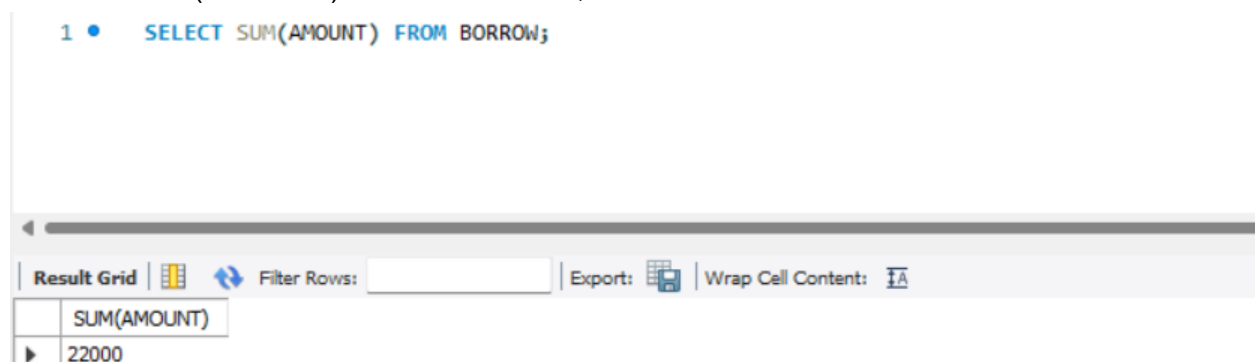
Questions

1. List total loan
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 database query interface. At the top, the query `SELECT SUM(AMOUNT) FROM BORROW;` is entered. Below the query, there is a horizontal scrollbar. At the bottom, there is a toolbar with options: "Result Grid", "Filter Rows:", "Export:", and "Wrap Cell Content:". Below the toolbar, a table is displayed with the following data:

SUM(AMOUNT)
22000

2. List total deposit

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

```
1 SELECT SUM(AMOUNT) FROM DEPOSIT;
```

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

3. List total loan taken from KAROLBAGH branch

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

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

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

```
SELECT SUM(AMOUNT) FROM DEPOSIT WHERE adate >
```

```
'1995-03-01';
```





```
1 SELECT SUM(AMOUNT) FROM DEPOSIT WHERE adate > '1995-03-01';
```

Result Grid	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"
```

<





Result Grid   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"
```

<





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

	max(d1.amount)
▶	5000

7. List total deposit of customer having branch in BOMBAY

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

<

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

	sum(amount)
▶	48400

8. Count total number of branch cities

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

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

	count(distinct(city))
▶	4

9.Count total number of customers cities

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

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

	count(city)
▶	10

10.Give branch names and branch wise deposit

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

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)




	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`

70

<

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




	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`

71

<

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;`

72

<





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