

## **Experiment no 4**

### **Aim: To implement Aggregate functions in SQL**

Average Function:

```
select from avg(RentPrice) as 'avg'
```

```
From books;
```

Count Function:

```
Select count(Bookno) as 'count'
```

```
From books;
```

Total Function:

```
Select sum(RentPrice) as 'sum'
```

```
From books;
```

Minimum Function:

```
Select min(RentPrice) as 'min'
```

```
From books;
```

Maximum Function:

```
Select max(RentPrice) as 'max'
```

```
From books;
```

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

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INSTANCE

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Administration Schemas

Information

No object selected

Query 1 x

```
1 • use library_management;
2
3 • select avg(RentPrice) as 'AVG'
4   from books;
5
6
```

Limit to 1000 rows

Result Grid

AVG
275.0000

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result 1 x

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	09:56:21	select avg(RentPrice) as 'AVG' from books LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

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Administration Schemas

Information

No object selected

Query 1 x

```
1 • use library_management;
2
3 • select count(Bookno) as 'count'
4   from books;
5
6
```

Limit to 1000 rows

Result Grid

count
4

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result 2 x

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	09:58:33	select count(Bookno) as 'count' from books LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: Query 1 x

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Administration Schemas

Information

No object selected

Query 1 x

```
1 use library_management;
2
3 select sum(RentPrice) as 'Sum'
4 from books;
5
6
```

Result Grid

Sum
1100

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result 3 x

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	09:58:33	select count(Bookno) as 'count' from books LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
2	10:00:03	select sum(RentPrice) as 'Sum' from books LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: Query 1 x

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Administration Schemas

Information

No object selected

Query 1 x

```
1 use library_management;
2
3 select min(RentPrice) as 'Min'
4 from books;
5
```

Result Grid

Min
200

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result 4 x

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	10:01:28	select min(RentPrice) as 'Min' from books LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

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INSTANCE

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- Options File

Administration Schemas

Information

No object selected

Query 1

```
1 • use library_management;
2
3 • select max(RentPrice) as 'Max'
4   from books;
5
```

Limit to 1000 rows

Result Grid

	Max
▶	350

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result 5

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	10:02:41	select max(RentPrice) as 'Max' from books LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session