

Experiment No 5

Aim: Perform Simple queries, string manipulation operations and aggregate functions.

Class: SE Comp

Year: 2020-21

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Performance Date: 03-03-2021

Submission Date: 07-03-2021

Query:

```
select * from sailor where rating="5"
```

✓ Showing rows 0 - 2 (3 total, Query took 0.0018 seconds.)

```
select * from sailor where rating="5"
```

☐ Show all

Number of rows:

25



Filter rows:

Search this table

+ Options

sid	sname	address	rating	age
1	Rahul	Mumbai	5	34
2	Danyl	Pune	5	21
3	Shrinath	Hyderabad	5	22

Query:

```
select * from sailor where rating in (3,5)
```

✓ Showing rows 0 - 4 (5 total, Query took 0.0022 seconds.)

```
select * from sailor where rating in (3,5)
```

☐ Show all

Number of rows:

25



Filter rows:

Search this table

+ Options

sid	sname	address	rating	age
1	Rahul	Mumbai	5	34
2	Danyl	Pune	5	21
3	Shrinath	Hyderabad	5	22
5	Sean	Ontario	3	30
6	Matt	Texas	3	29

Query:

```
select * from sailor where rating not in (3,5)
```

✓ Showing rows 0 - 1 (2 total, Query took 0.0019 seconds.)

```
select * from sailor where rating not in (3,5)
```

☐ Show all | Number of rows: 25 ▼

Filter rows:

+ Options

sid	sname	address	rating	age
4	Jack	Pennsylvania	4	32
7	Hans	Berlin	4	28

Query:

```
select * from sailor where rating between 2 and 5
```

✓ Showing rows 0 - 6 (7 total, Query took 0.0028 seconds.)

```
select * from sailor where rating between 2 and 5
```

☐ Show all

Number of rows: 25

Filter rows:

+ Options

sid	sname	address	rating	age
1	Rahul	Mumbai	5	34
2	Danyl	Pune	5	21
3	Shrinath	Hyderabad	5	22
4	Jack	Pennsylvania	4	32
5	Sean	Ontario	3	30
6	Matt	Texas	3	29
7	Hans	Berlin	4	28

Query:

```
select * from sailor where sname like "%m"
```

✓ Showing rows 0 - 1 (2 total, Query took 0.0018 seconds.)

```
select * from sailor where sname like "%m"
```

☐ Show all

Number of rows:

25



Filter rows:

Search this table

+ Options

sid	sname	address	rating	age
8	Drishyam	Telangana	2	29
11	Abram	Iran	4	23

Query:

```
select * from sailor where sname like "___"
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0019 seconds.)

```
select * from sailor where sname like "___"
```

☐ Show all

Number of rows: 25

Filter rows:

+ Options

sid	sname	address	rating	age
10	Bob	Alabama	3	54

Query:

```
select * from sailor where sname like "___%"
```

✓ Showing rows 0 - 10 (11 total, Query took 0.0019 seconds.)

```
select * from sailor where sname like "___%"
```

☐ Show all

Number of rows:

25



Filter rows:

Search this table

+ Options

sid	sname	address	rating	age
1	Rahul	Mumbai	5	34
2	Danyl	Pune	5	21
3	Shrinath	Hyderabad	5	22
4	Jack	Pennsylvania	4	32
5	Sean	Ontario	3	30

Query:

```
select * from sailor where sname like "%ram%"
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0019 seconds.)

```
select * from sailor where sname like "%ram%"
```

☐ Show all

Number of rows:

25



Filter rows:

Search this table

+ Options

sid	sname	address	rating	age
11	Abram	Iran	4	23

Query:

```
select * from sailor order by rating desc
```

✓ Showing rows 0 - 10 (11 total, Query took 0.0019 seconds.) [rating: 5... - 1...]

```
select * from sailor order by rating desc
```

☐ Show all

Number of rows:

25



Filter rows:

Search this table

+ Options

sid	sname	address	rating	1	age
1	Rahul	Mumbai	5		34
2	Danyl	Pune	5		21
3	Shrinath	Hyderabad	5		22
7	Hans	Berlin	4		28
11	Abram	Iran	4		23
4	Jack	Pennsylvania	4		32
5	Sean	Ontario	3		30
10	Bob	Alabama	3		54
6	Matt	Texas	3		29

Query:

```
select max(rating) from sailor
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0024 seconds.)

```
select max(rating) from sailor
```

☐ Show all

Number of rows:

25



Filter rows:

Search this table

+ Options

max(rating)

5

Query:

```
select count(bid) from boat_info
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0015 seconds.)

```
select count(bid) from boat_info
```

☐ Show all

Number of rows:

25



Filter rows:

Search this table

+ Options

count(bid)

2

Query:

```
select count(bid) from boat_info where color="green"
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0019 seconds.)

```
select count(bid) from boat_info where color="green"
```

☐ Show all | Number of rows: 25 Filter rows:

+ Options

count(bid)
1

Query:

```
select count(bid) from boat_info where color="blue"
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0019 seconds.)

```
select count(bid) from boat_info where color="blue"
```

☐ Show all | Number of rows: 25 Filter rows:

+ Options

count(bid)
1

Query:

```
select avg(age) from sailor
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0017 seconds.)

```
select avg(age) from sailor
```

☐ Show all

Number of rows:

25



Filter rows:

Search this table

+ Options

avg(age)

29.4545

Query:

```
select avg(age) from sailor where rating="5"
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0018 seconds.)

```
select avg(age) from sailor where rating="5"
```

☐ Show all

Number of rows:

25



Filter rows:

Search this table

+ Options

avg(age)

25.6667

Query:

```
select avg(age) from sailor where rating="4"
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0020 seconds.)

```
select avg(age) from sailor where rating="4"
```

☐ Show all

Number of rows:

25



Filter rows:

Search this table

+ Options

avg(age)

27.6667

Query:

```
select avg(age) from sailor where rating="3"
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0024 seconds.)

```
select avg(age) from sailor where rating="3"
```

☐ Show all

Number of rows: 25

Filter rows:

+ Options

avg(age)

37.6667

Query:

```
select avg(age) from sailor where rating="2"
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0019 seconds.)

```
select avg(age) from sailor where rating="2"
```

☐ Show all

Number of rows: 25

Filter rows:

+ Options

avg(age)

29.0000

Query:

```
select avg(age) from sailor where rating="1"
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0019 seconds.)

```
select avg(age) from sailor where rating="1"
```

☐ Show all

Number of rows: 25

Filter rows:

+ Options

avg(age)

22.0000

Query:

```
select avg(age) from sailor group by rating having avg(age) > 40
```

✓ Showing rows 0 - 2 (3 total, Query took 0.0023 seconds.)

```
SELECT avg(age) from sailor GROUP by rating having avg(age) > 40
```

☐ Show all

Number of rows: 25

Filter rows:

+ Options

avg(age)

41.5000

41.3333

40.6000