

# SQL Database for Beginners

## Lab Exercise 5

### Answer Key

- 1) Write a query returning the number of records in the project table.

Answer:

```
select count(*) from project
```

- 2) Write a query returning the number of project names in the project table.

Answer:

```
select count(label) from project
```

- 3) Write a query returning the number of project names in the project table whose budget is below 1000.

Answer:

```
select count(label) from project  
where budget < 1000
```

- 4) Write a query returning the grand total of all project budgets listed in the project table.

Answer:

```
select sum(budget) from project
```

- 5) Write a query returning the average project budget listed in the project table.

Answer:

```
select avg(budget) from project
```

- 6) Write a query returning the lowest project budget listed in the project table.

Answer:

```
select min(budget) from project
```

- 7) Write a query returning the highest role id used in the role table.

Answer:

```
select max(id) from role
```

- 8) Write a query returning the average length of role names in the role table. (Note: use the SQL function length()).

Answer:

```
select avg(length(label)) from role
```

- 9) Write a query returning a merged list of project names and role titles.

Answer:

```
select label from project  
union  
select label from role
```

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