

# SQL Database for Beginners

## Lab Exercise 4: Answer Key

- 1) Write a query returning name and budget of the project with id 3 in the project table.

Answer:

```
select label, budget from project  
where id=3
```

- 2) Write a query returning all projects in the project table with name "Website".

Answer:

```
select * from project  
where label='website'
```

- 3) Write a query returning the names of all projects in the project table with a budget of more than 500.

Answer:

```
select label from project  
where budget>500
```

- 4) Write a query returning all projects in the project table with a budget between 250 and 1500.

Answer:

```
select * from project  
where budget between 250 and 1500
```

- 5) Write a query returning all projects in the project table with a budget below 500 or above 1500.

Answer:

```
select * from project  
where budget < 500  
or budget > 1500
```

- 6) Write a query returning all projects in the project table with an id above 1 and a budget above 500.

Answer:

```
select * from project  
where id>1  
and budget > 500
```

- 7) Write a query returning all projects in the project table without a defined budget.

Answer:

```
select * from project  
where budget is null  
(Note: this query returns an empty  
result set because all projects have a  
budget assigned)
```

- 8) Write a query returning roles in the role table whose title includes "manager".

Answer:

```
select * from role  
where label like '%manager%'
```

- 9) Write a query returning the roles in the role table whose title is "Developer" or "Tester".

Answer:

```
select * from role  
where label in ('Developer', 'Tester')
```

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