



Module 6: Database Class - II

Connect MySQL with Database



MySQLi Driver

- Database driver
- New mysqli()
- Hostname, username, password, database, port*

Connect MySQL with Database...



```
$mysqli = new  
mysqli("hostname","username","password","database_name");
```

Connect MySQL with Database...



```
$mysqli = new mysqli("localhost", "root", "", "test_db");
```

Query On Database



```
$mysqli = new mysqli(...);
```

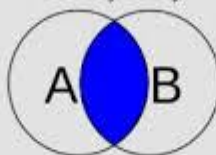
```
$mysqli->query(...);
```

Fetch Result

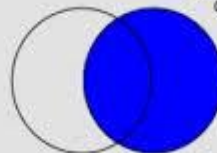


- `fetch_assoc()` -> only key
- `fetch_row()` -> only index
- `fetch_array()` -> both

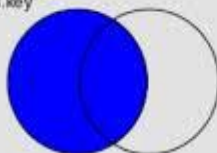
```
SELECT <fields>
FROM TableA A
INNER JOIN TableB B
ON A.key = B.key
```



```
SELECT <fields>
FROM TableA A
RIGHT JOIN TableB B
ON A.key = B.key
```



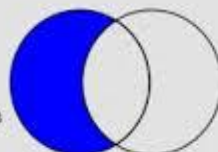
```
SELECT <fields>
FROM TableA A
LEFT JOIN TableB B
ON A.key = B.key
```



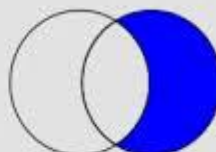
SQL

JOINS

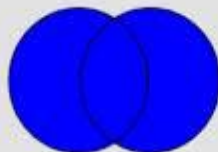
```
SELECT <fields>
FROM TableA A
LEFT JOIN TableB B
ON A.key = B.key
WHERE B.key IS NULL
```



```
SELECT <fields>
FROM TableA A
RIGHT JOIN TableB B
ON A.key = B.key
WHERE a.key IS NULL
```



```
SELECT <fields>
FROM TableA A
FULL OUTER JOIN TableB B
ON A.key = B.key
```



```
SELECT <fields>
FROM TableA A
FULL OUTER JOIN TableB B
ON A.key = B.key
WHERE A.key IS NULL
OR B.key IS NULL
```



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