

Syntaktische Hilfsmittel zur Bewältigung und zum reibungslosen Ablauf der Abschlussprüfung

PDO

Verbindung aufbauen

```
$pdo = new PDO('mysql:host=localhost;dbname=databasename',  
'username', 'password');
```

Query

```
$sql = "SOME SQL";  
foreach ($pdo->query($sql) as $row) {  
    // $row[propertyName]  
}
```

Prepared statements

```
$successful = $statement = $pdo->prepare("SELECT * FROM table WHERE  
field1 = ? AND field2 = ?");
```

Bind Parameters:

```
$stmt->bindParam(1, $name);  
$stmt->bindParam(2, $value);
```

oder

```
$statement->execute(array('field1value', 'field2value'));
```

```
while($row = $statement->fetch()) {  
    // $row[propertyName]  
}
```

```
$statement = $pdo->prepare("SELECT * FROM table WHERE field1 = :field1  
AND field2 = :field2");
```

```
$statement->execute(array(':field1' => 'field1value', ':field2' =>  
'field2value'));
```

```
while($row = $statement->fetch()) {
```

```
    // $row[propertyName]
}
```

Client-side

```
fetch(url, {
  header: {
    'Accept': 'application/json',
    'Content-Type': 'application/json'
  }
  method: 'POST',
  body: JSON.stringify({ someData: 'someData' })
});
```

SQL

```
ALTER TABLE <relation> ADD/DROP <attribut> datentyp;
ALTER TABLE <relation> CHANGE <alter_attributname> <neuer_attributname>
datentyp;
```

```
INSERT INTO [table] ([column], [column]) VALUES ('[value]', [value]);
UPDATE [table] SET <col_name>=<expression> [WHERE search_condition];
NOW()
DATEDIFF(date1, date2)
BETWEEN
CURRENT_TIME
```

```
CREATE VIEW <Viewname> [(Attrib1, Attrib2, ... )] AS Query [WITH CHECK
OPTION];
```

```
CREATE USER [user]@[host] IDENTIFIED BY [pw];
GRANT {select | insert | delete | update | references |
all} on [table] to [user] [with grant option];
REVOKE {select | insert | delete | update | references | all} on
[table] from [user];
```

```
START TRANSACTION; (oder BEGIN;)
/* do SQL stuff */
COMMIT; (oder ROLLBACK;)
```

```
SELECT <Spalten_Name>
FROM <Tabellen_Name>
WHERE <einfache Bedingung>
```

```
{[AND|OR] <einfache Bedingung>;
```

```
SELECT <Spalten_Name>  
FROM <Tabellen_Name>  
WHERE <Spalten_Name> IN ('Wert1', 'Wert2', ...);
```

```
SELECT <Spalten_Name>  
FROM <Tabellen_Name>  
WHERE <Spalten_Name> BETWEEN 'Wert1' AND 'Wert2';
```

```
SELECT <Spalten_Name>  
FROM <Tabellen_Name>  
WHERE <Spalten_Name> LIKE {MUSTER};
```

```
year(date), month(date), day(date)
```

```
AVG()  
COUNT()  
MAX()  
MIN()  
SUM()
```

```
SELECT <ATTRIBUTE> FROM <TABEL> WHERE <CONDITION> NOT IN <SET>;
```

```
SELECT <Funktionstyp>(<Spalten_Name>)  
FROM <Tabellen_Name>;
```

```
SELECT <Spalten_Name1>, SUM(<Spalten_Name2>)  
FROM <Tabellen_Name>  
GROUP BY <Spalten_Name1>;
```

```
SELECT <Spalten_Name1>, SUM(<Spalten_Name2>)  
FROM <Tabellen_Name>  
GROUP BY <Spalten_Name1>  
HAVING (arithmetische Funktionsbedingung);
```

```
SELECT <Attributliste>  
FROM <Rel1>, <Rel2>, ..., <Reln>  
WHERE [NOT] EXISTS  
(<Tabellenausdruck>)
```

```
SELECT <Attributliste>  
FROM <Rel1>, <Rel2>, ..., <Reln>  
WHERE  
Reli.Attr_name | (Ri.Attr_name, Rj.Attr_name, ...)  
< | <= | = | != | >= | >  
[ANY | ALL]  
(Tabellenausdruck)
```

```
CREATE TRIGGER <triggername>
{BEFORE | AFTER} {INSERT | DELETE | UPDATE}
ON <tabelle> {FOR EACH ROW | FOR EACH STATEMENT}
<anweisung(en)>;
```

MySQLi

```
$db = New mysqli([host], [user], [pass], [DB]);
$db->query("[stmt]");
```

```
[stmt] = [db]->prepare("INSERT INTO <tabelle> (<attribut>) VALUES
('?'")");
[stmt]->Bind_param("[datatype]", [value]);
[stmt]->execute();
[stmt]->get_result();
```

HTML Formular

```
<form action="file.php" method="post">
    <input type="text" name="Inhalt">
    <input type="submit" value="OK">
</form>
```

```
// Check if variable is set (PHP)
if(isset($_POST["Inhalt"]))
```