

# Databasuppkoppling

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Inga övningar nedan mest en översikt över de funktioner vi ska använda för uppgiften.

- [PHP.net: PDO construct](#)
- [PHP.net: PDO prepare](#)
- [PHP.net: Superglobals](#)
- [W3Schools - Prepared Statements](#)

Skapa en **PDO** - uppkoppling till databasen

```
/* Always check your own details for connecting
 * 'dbname' is the database, 'localhost' is MySQL in MAMP
 * 'charset' is to get the right encoding, åäö etc. */
$pdo = new PDO(
    "mysql:host=localhost;dbname=products;charset=utf8",
    "root", //user
    "root"  //password
);
```

Fetch Associative Array

```
//Prepare a SQL-statement
$stmt = $pdo->prepare("SELECT * FROM celebrities");
//Execute it
$stmt->execute();
//And fetch every row that it returns. $celebrities is now an Associative array
$celebrities = $stmt->fetchAll(PDO::FETCH_ASSOC);
```

Post with parameters

```
//:name is a placeholder for the value that we collect from the $_POST parameter
$stmt = $pdo->prepare("SELECT * FROM celebrities WHERE name = :name");
$stmt->execute(array(
    ":name" => $_POST["name"],
));
$celebrities = $stmt->fetchAll(PDO::FETCH_ASSOC);
```

## Delete from database

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```
//:name is a placeholder for the value that we collect from the $_POST parameter
$stmt = $pdo->prepare("DELETE FROM celebrities WHERE id = :id");
$stmt->execute(array(
    ":id" => $_POST["id"],
));
//No need to fetch when doing delete as we are not collecting information
//we are just sending information to the database
```

## Insert into database

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```
//The first paranthesis are the columns you want to insert into. The second
//paranthesis are the placeholders for the values you want to insert.
$stmtement = $pdo->prepare(
    "INSERT INTO celebrities (name, born, country)
    VALUES (:name, :born, :country)"
);
//In the execute statement you insert the actual values. The values are collected from our form through post.
$stmtement->execute(array(
    ":name"      => $_POST["name"],
    ":born"      => $_POST["born"],
    ":country"   => $_POST["country"]
));
```

### Pretty print

Använd för att få en snygg output på era arrayer. Ersätt `$your_variable` med namnet på den variabeln ni hämtar.

```
highlight_string("<?php =\n" . var_export($your_variable, true) . ";\n?>");
```