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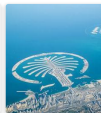
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PHP MySQL LIMIT Clause

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In this tutorial you will learn how to fetch limited number of records from a MySQL database table using PHP.

Limiting Result Sets

The **LIMIT** clause is used to constrain the number of rows returned by the **SELECT** statement. This feature is very helpful for optimizing the page loading time as well as to enhance the readability of a website. For example you can divide the large number of records in multiple pages using pagination, where limited number of records will be loaded on every page from the database when a user request for that page by clicking on pagination link.

The basic syntax of the **LIMIT** clause can be given with:

```
SELECT column_name(s) FROM table_name LIMIT row_offset, row_count;
```

The **LIMIT** clause accepts one or two parameters which must be a nonnegative integer:

- When two parameters are specified, the first parameter specifies the offset of the first row to return i.e. the starting point, whereas the second parameter specifies the number of rows to return. The offset of the first row is 0 (not 1).
- Whereas, when only one parameter is given, it specifies the maximum number of rows to return from the beginning of the result set.

For example, to retrieve the first three rows, you can use the following query:

```
SELECT * FROM persons LIMIT 3;
```

To retrieve the rows 2-4 (inclusive) of a result set, you can use the following query:

```
SELECT * FROM persons LIMIT 1, 3;
```

Let's make a SQL query using the **LIMIT** clause in **SELECT** statement, after that we will execute this query through passing it to the PHP `mysqli_query()` function to get the limited number of records. Consider the following *persons* table inside the *demo* database:

id	first_name	last_name	email
1	Peter	Parker	peterparker@mail.com
2	John	Rambo	johnrambo@mail.com
3	Clark	Kent	clarkkent@mail.com
4	John	Carter	johncarter@mail.com
5	Harry	Potter	harrypotter@mail.com

The PHP code in the following example will display just three rows from the *persons* table.

Example

Procedural

Object Oriented

PDO

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