

PHP + MySQL Functions Cheat Sheet

SECTION 1: Common PHP Functions

- echo

Output print karta hai

Example: `echo "Hello";`

- isset()

Check karta hai variable set hai ya nahi

Example: `if (isset($_POST['name']))`

- empty()

Check karta hai variable empty hai ya nahi

Example: `if (empty($data))`

- var_dump()

Variable ka structure batata hai (debugging ke liye)

Example: `var_dump($arr);`

- die()/exit()

Script ko turant rokta hai

Example: `die("Error!");`

- include/require

File include karte hain current script me

Example: include 'header.php';

- strtolower()/strtoupper()

String ko lower/upper case me convert karta hai

Example: strtolower("HELLO") → "hello"

- strlen()

String ka length batata hai

Example: strlen("Hello") → 5

- substr()

String ka part nikalta hai

Example: substr("hello",1,3) → "ell"

- explode()/implode()

String to array/Array to string

Example: explode(",", "a,b,c") → ['a','b','c']

- date()/time()

Current date/time ya timestamp deta hai

Example: date("Y-m-d")

- header()

Redirect ya headers bhejne ke liye

Example: header("Location: login.php");

SECTION 2: Session & Security Functions

- session_start()

Session start karta hai

- \$_SESSION

Session variable access karta hai

- session_destroy()

Session end karta hai (logout ke liye)

- password_hash()

Password securely hash karta hai (registration time)

- password_verify()

Password verify karta hai (login time)

SECTION 3: PHP MySQLi Functions

- mysqli_connect()

Database se connect karta hai

Example: `mysqli_connect("localhost", "root", "", "test_db");`

- new mysqli()

Object-oriented way se connect karta hai

- prepare()

SQL query prepare karta hai (security ke liye)

- bind_param()

Query me safe way se variables bind karta hai

- execute()

Prepared query run karta hai

- get_result()

Result fetch karta hai (SELECT queries ke liye)

- fetch_assoc()

Row ko associative array me convert karta hai

- fetch_all()

Saare rows ek array me deta hai

- num_rows

Rows count karta hai

- query()

Simple query run karta hai (direct)

- close()

Connection band karta hai

USE-CASE EXAMPLES:

1) Login System

```php

```
session_start();
```

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

```
$stmt = $conn->prepare("SELECT * FROM users WHERE username = ?");
```

```
$stmt->bind_param("s", $username);
```

```
$stmt->execute();
```

```
$result = $stmt->get_result();
```

```
$user = $result->fetch_assoc();
```

```
if (password_verify($password, $user['password'])) {
```

```
 $_SESSION['user_id'] = $user['id'];
```

```
}
```