

KELAS 02

PHP & DATABASE

ASAS PHP DAN DATABASE

PENGAJAR:

MUHAMMAD SIDIQ ALI

15 JAN 2026

Agenda

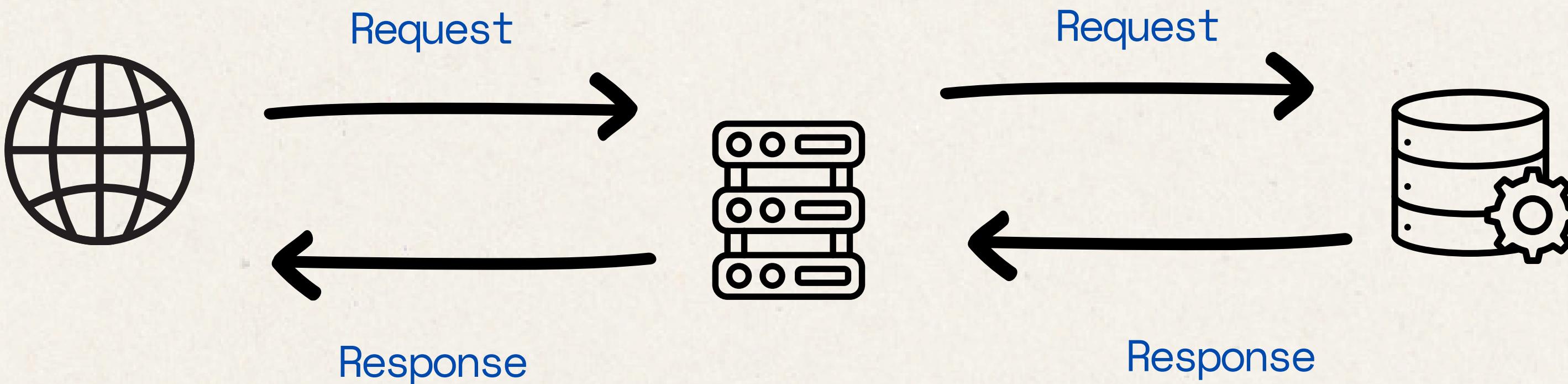
01	Overview
02	ASAS PHP
03	ASAS CSS
04	DEVELOPMENT
05	GIT DAN GITHUB
06	DEPLOYMENT

Overview

BACKEND & DATABASE

Backend 1 computer yang bertujuan untuk:

- Terima Permintaan (Request)
- Proses Permintaan (Request)
- Hantar Semula Permintaan (Request)



ASAS PHP

BACKEND

APA ITU PHP?

- Hypertext Preprocessor.
- Popular server-side scripting language favored for web development.
- It's versatile, dynamic, and can be embedded seamlessly into HTML code.
- PHP scripts are executed on the server, and the result is sent back to the browser as plain HTML.
- Web App dan Mobile (Native PHP)

Syntax PHP

- Opening & Closing Tags . `<?php echo "Hello World"; ?>`



ASAS PHP

BACKEND

Variable & Scope

- Variable ialah container untuk pegang value. \$namaProgrammer = John;
- Scope
 - Global Scope - Variable yang berada di luar function. Boleh dipanggil bila-bila masa
 - Local Scope - Berada dalam function dan hanya boleh diakses specific function
 - Static - Variable yang kekal dalam function. Tidak berubah bila function dah siap run.

ASAS PHP

BACKEND

- **Data Types:**

- String: texts atau nombor (nama, ic , no phone)
- interger: nombor (umur)
- float: nombor yang mempunyai titik perpuluhan (RM 80.90)
- boolean: True / false (is_member)
- Datetime (Birthday, created_at etc)
- Array (List of Data)

ASAS PHP

BACKEND

- **Arithmetic Operators:**

- Plus (+)
- Minus (-)
- Times (*)
- Divide (/)
- Modulus (Balance after Modulus)

- **Control Structure**

- If Else Statement
- Switch
- Loops
 - ForEach

ASAS PHP

BACKEND

- **Logical Operator**

- AND (&&)
- OR (||)
- Equals (==)
- Identical (===)
- Not Equal (!=)
- Greater than and less than(>.<)

- Incremental / Decremental Operator

- Increment (++)
- Decrement (--)

ASAS PHP

BACKEND

- **Functions:**
 - Build in Functions (E.g: strlen(\$string), rand(\$min, \$max))
 - Declared Functions (E.g: getAgeByNRIC)
- Functions can return and not returning anything
 - with Return, use returned data for next step
 - without return, run it once when being called (E.g Dashboard showing greeting message)
- To Sum up: Functions is a process contains variable, operator and control structure. Then return the processed data.

Database

Backend Development

- **Databases (SQL - Structured Query Language):**

- Simpan Data mengikut data Types.
- 2 Types of SQL (File Based and Instance Based)
- Ada Tables setiap tables mempunyai Columns.
- CRUD Operation (CREATE, ALTER (UPDATE), READ and DELETE)

