

# **KELAS 02**

# **PHP & DATABASE**

**ASAS PHP DAN DATABASE**

**PENGAJAR:**  
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# Agenda

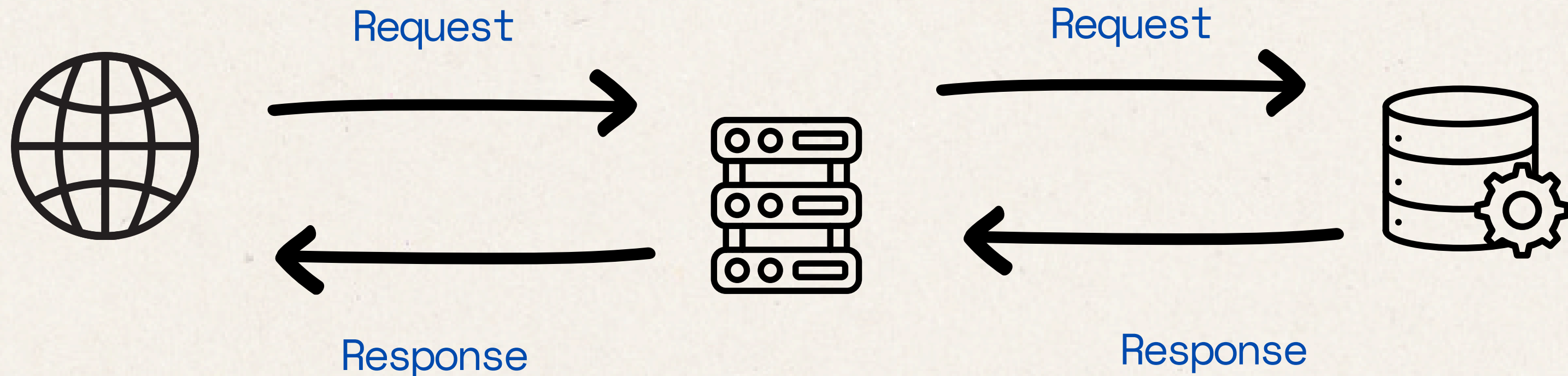
01	Overview
02	ASAS PHP
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06	DEPLOYMENT

# 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 greating message)
- To Sum up: Functions is a 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)

