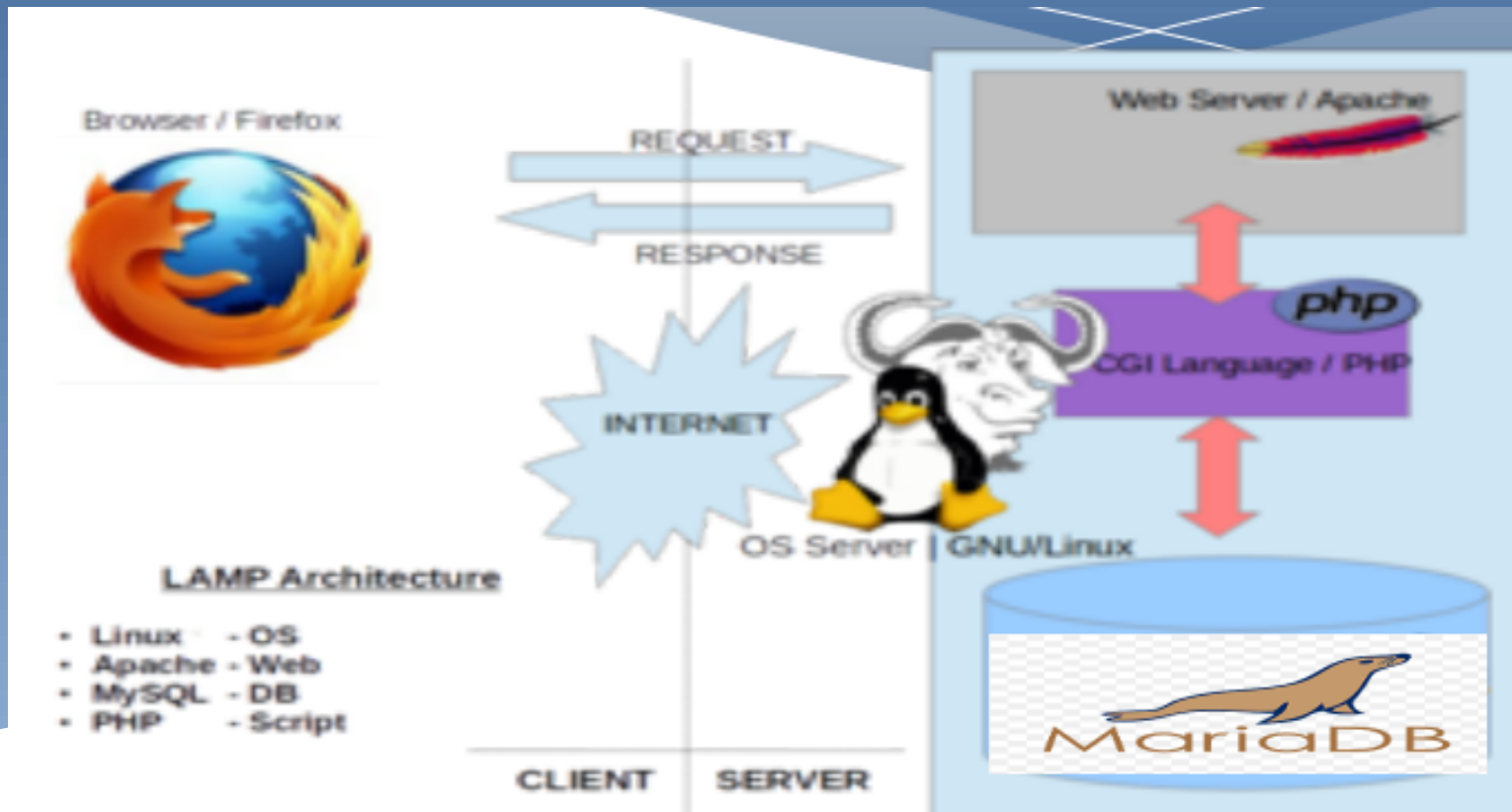
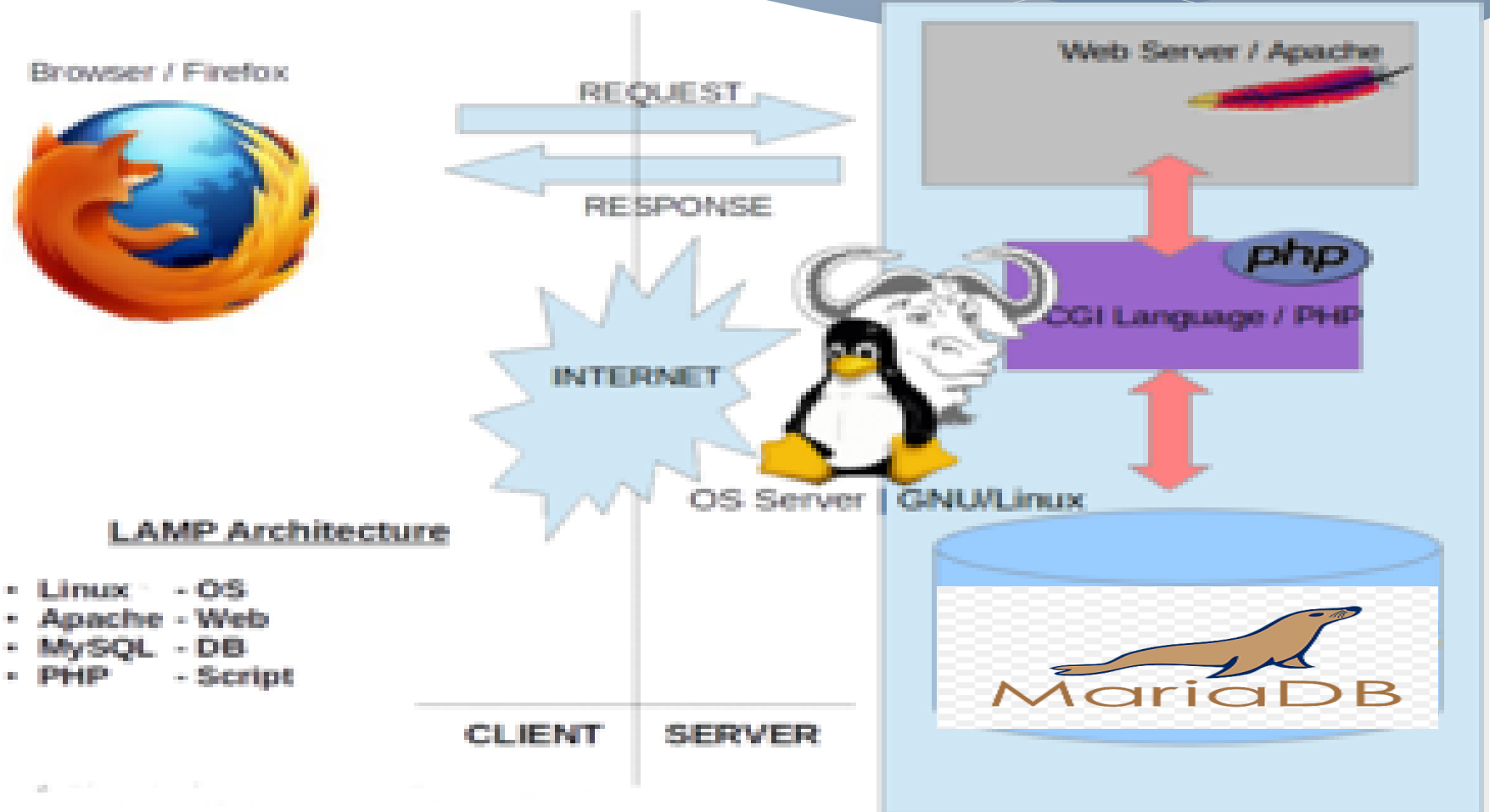


# RDBM AND SQL - MARIA DB



# LAMP ARCHITECTURE



# OVERVIEW AND DATA MODELS

Ser	Lesson	Theory	Prac
1	Introduction to DBMS	2	0
2	Database languages	2	0
3	Normalization	2	0
4	Consistency Constraints	2	0
5	Keys, Referential Integrity	2	0
6	Schema Diagrams	2	0
7	design process	3	
8	Relational operators	3	0
9	Database design	2	0

# ER MODEL

10	The Entity Relationship Model	3		3
11	Database Architecture	2		2

# RDBM – SQL – MARIA DB

12	Intro to SQL with Maria DB	2		2
13	Objects and datatypes	2	3	5
14	Data Analysis	2	2	4
15	SQL Commands	2	5	7
16	DDL Commands	2	5	7
17	DML Commands	2	5	7
18	DCL Commands	2	5	7

# SQL

<b>19</b>	Utility Commands	<b>2</b>	<b>5</b>
<b>20</b>	Joins	<b>2</b>	<b>5</b>
<b>21</b>	View	<b>2</b>	<b>5</b>
<b>22</b>	Trigger	<b>2</b>	<b>5</b>
<b>23</b>	DBA and his roles	<b>2</b>	<b>0</b>
<b>24</b>	Introduction to XAMPP Server , Apache Configuration	<b>1</b>	<b>2</b>
<b>25</b>	Implementing a Comprehensive Project		<b>5</b>

# Basic Assumptions

- \*Access to PC.
- \*Access to Internet.
- \*Knowledge of Basic Programming.
- \*Willingness to study on your own.

# FAQS

## \*What is

- \* Marked up language ?
- \* Scripting language ?
- \* High level lang ?
- \* Server side / client side programming ?
- \* Front end and back end ?



# Targets to Achieve

- \*Understanding of Data models and how they work.
- \*Ability to analyze and study a system using ER Modeling.
- \*Design a basic RDBM System for day to day applications.
- \*Understand, create, modify SQL Statements.
- \*Understand and make modification to web pages using available Web Page editors ; online or offline.
- \*Create and edit php code snippets.

# Software tools

- \*LAMP – Linux Apache Mysql Perl/Python/PHP
- \*XAMP and WAMP – imitations of LAMP
- \*Web Editing Tool
  - \* Gedit - Linux
  - \* Geany -Linux
  - \* Kompozer - Linux
  - \* Dreamweaver - Windows
  - \* Notepad++ - Windows

# Mode of Studies

- \*Books : real and virtual.
- \*Lectures / Psns. (All Ref mtrls will be available on the net)
- \*Practice (preferably on pers laptops).
- \*Assignments.
- \*Interaction through Web ([colmurali.comxa.com](http://colmurali.comxa.com)).

Thank You