

www.Padasalai.Net - 12th Computer Applications

All Program SYNTAX

Chapter – 3 (Introduction to DBMS)

To create a database

mysql> create database personal details;

Query Ok, 1 row affected

mysql> USE personal details;

To view or show database

mysql> show databases;

To insert a values

INSERT INTO TABLE_NAME (column1, column2, column3, ... columnN)
VALUES (value1, value2, value3, ...valueN);

To create a database with examples

Syntax: CREATE database databasename;

Example: **mysql>**create database studentDB;

mysql>Show databases;

To Drop database

Syntax: DROP database databasename;

Example: **mysql>**DROP database studentDB;

To select database

Syntax: USE databasename;

Example: **mysql>**USE studentDB;

To insert a record

Syntax 1:

```
INSERT INTO tablename (column1, column2, column3)
VALUES (value1, value2, value3);
```

Syntax 2:

```
INSERT INTO tablename VALUES (value1, value2, value3);
```

EXAMPLE:

```
mysql>INSERT INTO Biodata (firstname, lastname, age)
VALUES (Krishna, Sam, 10);
```

(or)

```
mysql>INSERT INTO Biodata VALUES (Krishna, Sam, 10);
```

To view all records

Syntax1: SELECT * from tablename;

Example: mysql>SELECT * from Biodata;

To view particular record:

Syntax2: SELECT column1, column2 from tablename;

Example: mysql>SELECT firstname, age from Biodata;

To delete a particular record:

Syntax1: DELETE from tablename WHERE columnname="value";

Example: mysql>DELETE from Biodata WHERE firstname="Mani";

To delete all records:

Syntax2: DELETE from tablename;

Example: mysql>DELETE from Biodata ;

To Modify a record

Syntax1: UPDATE tablename
SET column1="new value"
Where column2="value2";

Example: mysql>UPDATE Biodata SET age=13 WHERE firstname="Krishna";

To sort a records:

Syntax1: select * from tablename ORDER BY columnname;

Example: select * from Biodata ORDER BY firstname;

Syntax2: select * from tablename ORDER BY columnname DESC;

Example: select * from Biodata ORDER BY firstname DESC;

Grouping records: -

Example: Select Rollno, SUM(Marks) from Exams GROUP BY Rollno;

Join a tables:

Example: SELECT Profile.Name, Profile. Hobby, SUM(Exams.Marks)As Total
FROM Profile, Exams
WHERE Profile.Rollno = Exams.Rollno
GROUP BY Profile.Name, Profile.Hobby;

Chapter – 5 (PHP Function and Array)

Function declaration:

SYNTAX:

```
function functionName()  
{ Custom Logic code to be executed; }
```

Function Calling

SYNTAX:

```
functionName();
```

Indexed Arrays

```
$Array_Variable=array("value1","value2","value2");
```

Associative Arrays Syntax

```
array(key=>value,key=>value,key=>value,etc.);
```

key = Specifies the key (numeric or string)

value = Specifies the value

Chapter – 6 PHP Conditional Statements

If Statement:

Syntax:

```
if (condition)  
{  
Statement(s);  
}
```

If else statement:

Syntax:

```
if (condition)  
{  
Statement(s) if condition is true;  
}  
else  
{  
Statement(s) if condition is false;  
}
```

If elseif else statement: -

Syntax:

```
if (Condition 1)
{
Statement(s) if condition 1 is true;
}
elseif(Condition 2)
{
Statement(s) if condition 2 is true;
}
else
{
Statement(s) if both conditions are false;
}
```

Switch case:

Syntax:

```
switch (n) {
case label1:
code to be executed if n=label1;
break;
case label2:
code to be executed if n=label2;
break;
case label3:
code to be executed if n=label3;
break;
...
default:
code to be executed if n is different from all labels;
}
```

Chapter - 7 Looping Structure

for loop:

Syntax:

```
for (init counter; test counter; increment counter)  
{  
code to be executed;  
}
```

foreach loop

Syntax:

```
foreach ($array as $value)  
{  
code to be executed;  
}
```

while loop:

Syntax:

```
while (condition is true)  
{  
code to be executed;  
}
```

do while:

Syntax:

```
do  
{  
code to be executed;  
}  
while (condition is true);
```

Chapter – 8 (forms and files)

To open a php file:

Syntax:

```
$file_Object= fopen("FileName", "Read/WriteMode") or die("Error Message!");
```

Example:

```
<?php $myfile = fopen("Student.txt", "r") or die("Unable to open file!");  
?>
```

To read a php file:

Syntax:

```
fread($file_Object,filesize("FileName"));
```

Example:

```
<?php fread($myfile,filesize("Student.txt"));  
?>
```

To close a php file:

Syntax:

```
fclose($file_Object);
```

Example:

```
<?php $myfile = fopen("student.txt", "r"); // some code to be executed...  
fclose($myfile); ?>
```

To write a php file:

Syntax:

```
fwrite($myfile, $txt);
```

Chapter – 9 connecting PHP and MYSQL

Database connection: -

Syntax:

```
mysqli_connect("Server Name ","User Name","Password","DB Name");
```

Performing queries:

Syntax:

```
mysqli_query("Connection Object","SQL Query")
```

Closing connection:

Syntax:

```
mysqli_close("Connection Object");
```

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