

P.G. Department of Computer Applications
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PHP AND MYSQL (18PMC426)

K2 Level questions

UNIT _I

1. Define PHP
2. Expand LAMP
3. Expand PHP
4. Expand DOM
5. Who is the father of MYSQL
6. Expand WYSIWIG
7. Name any four client side scripting languages
8. What are the different ways of representing comments in PHP
9. What is the difference between echo and print function
10. Define Variables
11. Define constant
12. List the data types of PHP
13. List the logical operators
14. List the comparison operators
15. Write the syntax of IF –ELSE statement
16. Write the Syntax of Switch Statement
17. Define bounded Loop
18. Define unbounded Loop
19. Write the syntax of While Loop
20. Write the syntax of FOR Loop
21. Write the syntax of Do-While Loop

UNIT _II

22. Define Function
23. Define function definition syntax

24. What is actual parameter
25. What is formal parameter
26. What is scope of variables
27. Define global variable
28. Define local variable
29. Define static variable
30. What is the purpose of include function
31. What is the purpose of require function
32. Define recursion
33. Name the two methods for sending the data
34. Write the purpose of Get Method
35. Write the purpose of POST Method
36. What is Super Global Variables
37. What is the concatenation operator in PHP
38. What is the purpose of heredoc
39. What is the purpose of strpos() function
40. What is the purpose of strrpos() function
41. What is the purpose of strcmp() function
42. What is the purpose of strcasecmp() function
43. What is the purpose of strstr() function
44. What is the purpose of strchr()function
45. What is the purpose of strrchr() function
46. What is the purpose of substr() function
47. List out the string cleanup functions in PHP
48. What is the purpose of chop() function
49. What is the purpose of ltrim() function
50. What is the purpose of rtrim() function
51. Write the function that is used to replace the original string
52. List out the case functions
53. What is the purpose of strtolower() function
54. What is the purpose of strtoupper() function
55. What is the purpose of ucfirst() function
56. What is the purpose of ucwords() function
57. Define PHP array

58. Define associative array
59. Define vector array
60. Write the syntax to create an array
61. Write the syntax to directly assign the values to an array
62. What is the purpose of `list()`
63. Name the functions to inspect arrays
64. What is the purpose of `is_array()`
65. What is the purpose of `count()`
66. What is the purpose of `in_array()`
67. What is the purpose of `sizeof()`
68. What is the purpose of `isset($array[$key])`
69. Write the function to delete an item from an array
70. What is the purpose of `reset()`
71. What is the purpose of `next()`
72. What is the purpose of `end()`
73. What is the purpose of `prev()`
74. What is the purpose of `key()`
75. What is the purpose of `each()`
76. What is the purpose of `array_walk()`
77. List out the functions to iterate over arrays
78. What is the purpose of `current()`

UNIT _III

79. List the arithmetic operators
80. List the comparison operators
81. Define operator precedence
82. List any five simple mathematical functions
83. What is the purpose of the function `floor()`?
84. What is the purpose of the function `ceil()`?
85. What is the purpose of the function `round()`?
86. What is the purpose of the function `abs()`?
87. What is the purpose of the function `min()`?
88. What is the purpose of the function `max()`?
89. List out the random number functions

90. What is the purpose of the function `srand()`
91. What is the purpose of the function `getrandmax()`
92. What is the purpose of the function `mt_srand()`
93. What is the purpose of the function `mt_rand()`
94. What is the purpose of the function `mt_getrandmax()`
95. Write the function to open a file
96. List out permissions to open a file
97. Write the function to read a file
98. Write the function to write a file
99. Write the function to close a file
100. What is the purpose of `feof()`
101. What is the purpose of `file_exists()`
102. What is the purpose of `filesize()`
103. List out any 10 file system functions
104. Write the syslog functions
105. Write the DNS functions
106. List out the Socket functions
107. Write the Date and Time functions
108. Write the calendar conversion functions
109. Define Session
110. Define Cookies
111. Write a function to start a session
112. List out the session functions(any 10)
113. List out the session configuration variables
114. What is the purpose of `setcookie()`
115. List out arguments to `set cookie()`
116. What is the purpose of try catch?
117. What is the purpose of throw?

UNIT _IV

118. Define Database
119. Why we need a database
120. Name the PHP Supported Databases
121. Expand SQL

- 122. Name the SQL standards
- 123. Name the different types of mapping in the database design
- 124. Write the command to create a database
- 125. Write the command to create a table
- 126. Write the command to insert a data into the table
- 127. Write the command to update a table
- 128. Write the command to drop a table
- 129. Write the command to alter a table
- 130. Write the command to select the data from the table
- 131. Write the command to drop a table
- 132. Write the command to connect the PHP and MySQL
- 133. Write the PHP command to choose a database
- 134. Write the command to execute a query
- 135. List out the fetching functions
- 136. Define meta data
- 137. List out the MYSQL Data Types
- 138. List out MySQL Functions
- 139. List out FORM data elements

UNIT _V

- 140. What is an index?
- 141. Define Primary Key
- 142. What is the purpose of UNIQUE index?
- 143. What is the purpose of count()?
- 144. What is the purpose of sum()?
- 145. What is the purpose of avg()?
- 146. What is the purpose of min()?
- 147. What is the purpose of max()?
- 148. What is the purpose of now()?
- 149. What is the purpose of lcase()?
- 150. What is the purpose of join()?

P.G Department of computer Applications

18PMC426 PHP and MySQL

K2 Level Questions

Unit-I

1. Why we need PHP?
 - a. PHP is free, open source, fully featured, supports cross-platform, stable, fast and clearly designed.
2. Why PHP is free?
 - a. It is open source and is member in LAMP stack
3. Give an example for Java Applets
 - a. Moving Logo, Crossword Puzzle
4. Is it true that “PHP is embedded in HTML documents”
 - a. Yes
5. Variables in PHP do not have intrinsic types (True or False)
 - a. True
6. What would happen if the string is enclosed in a double quotation?
 - a. Strings replace variables with their values as well as specially interpreting certain character sequences.
7. What do you mean by procedural abstraction
 - a. A way to name pieces of code so that it can be used them as building blocks in writing other pieces of code.
8. State in one word, the concept of executing a loop in fixed number of times.
 - a. Bounded Loop
9. What is the purpose of continue command
 - a. The continue command skips to the end of the current iteration of the innermost loop
 - b. that contains it.
10. What is the alias function for die()?
 - a. Exit()

Unit-II

11. The scope of a variable defined inside a function is local by default (True/False)
 - a. True
12. State the scope that retain the values in the variables between calls to the same function
 - a. Static
13. In PHP, the ordering of function definitions and function calls makes no difference, as long as every function that is called is defined exactly once (True/False)
 - a. True
14. GET submission is not recorded in the web server log (True/False)
 - a. False
15. Which method is suitable for login
 - a. POST
16. In which version, PHP superglobal arrays are introduced
 - a. PHP 4
17. Suggest any four methods to pass the information between web sessions
 - a. GET, POST, Session and Cookie
18. `$my_string = "Doubled";`
 - a. `for ($index = 0; $index < 7; $index++) {`
 - b. `$string_to_print = $my_string{$index};`
 - c. `print("$string_to_print$string_to_print");`
 - d. `}`
 - e. What is the output?
 - f. DDoouubbbleedd
19. Differentiate `ltrim()` and `trim()`
 - a. `Ltrim()` - Returns its string argument with leading (left-hand side) whitespace removed
 - b. `Trim()` - Returns its string argument with both leading and trailing whitespace removed.
20. What style of array is used by a PHP?
 - a. Associative Array

Unit-III

- ## Unit-IV

33. How do you delete a cookie
 - a. Call `setcookie()`, with the exact same arguments as when we set it, except the value, which should be set to an empty string.
34. Can we use multiple catch blocks in PHP
 - a. Yes
35. Name the three common types of errors
 - a. Notice, Warning and Fatal error

36. How error_log() function works?

- a. error_log() accepts one of four integers as the second parameter
- b. 0: uses the operating system's system logging mechanism
- c. 1: sends the error to a specified e-mail address (extra headers may be added as a fourth parameter)
- d. 2: sends the error through PHP's debugging connection (remote debugging must be enabled)
- e. 3: error message is appended to a destination error log file

37. Why do we need a database?

- a. Maintainability and scalability, Portability, Avoiding awkward programming, Searching

38. Which query is used to change the structure of a database

- a. Alter

39. UPDATE is used to edit information already in the database, without deleting any rows(True/False)

- a. True

40. mysql_select_db(\$database) is used to choose a database (True/False)

- a. True

41. Which function is used to find out how many rows were returned by a successful SELECT.

- a. mysql_num_rows(\$result)

42. Which function is used to returns one cell of data

- a. mysql_result

Unit-V

43. die() is not a MySQL-specific function (True/False)

- a. True

44. Write the command to deletes the specified database

- a. sql_drop_db()

45. What is the size of TIMESTAMP data type?

- a. 4 bytes

46. RADIO data elements allow for a one-to-many relationship between identifier and value (True/False)

- a. True

47. Name a data structure that improves the speed of operations in a table

- a. Database index

48. What is the name of the field in a table that uniquely identifies each record in that table.

- a. Primary key

49. A primary key MUST be unique(True/False)

- a. True

50. What is the purpose of `min()`?

- a. To find the minimum value of an array

51. What is the purpose of `max()`?

- a. To find the minimum value of an array

52. Write the function to display the current time

`now()`

1. 18PMC426 PHP and MySQL

2. K3 Level Questions

3. Unit-I

4. Explain Static HTML
5. Discuss client side technologies
6. Show any five reasons to emphasize the need of PHP
7. Discuss on comments
8. Compare the syntax of C and PHP
9. Differentiate echo and print
10. Write a program to find the factorial of a number
11. Compare bounded versus unbounded loop
12. Explain the working of Switch statement
13. Differentiate break and continue

1. Unit-II

14. Differentiate formal parameter versus actual parameters
15. Differentiate global versus local variable
16. Compare include and require
17. Discuss the case functions
18. Write a program which uses list() to retrieve values
19. Discuss the uses of PHP arrays
20. Explain PHP string clean up functions
21. Discuss the string functions for searching
22. Explain how to delete an item from an array
23. Explain heredoc command with an example

1. Unit-III

24. Explain the PHP file permissions
25. Discuss any five DNS functions
26. Write a sample session code which uses session functions
27. Explain the concept of session
28. Explain the concept of cookie
29. Discuss the file system and directory functions

30. Write a PHP program to implement the concept of try/catch
31. Discuss the native PHP errors
32. Discuss logging and debugging in detail
33. Explain the various modes of file open

i. Unit – IV

34. Show the syntax of INSERT command with example
35. Identify the sql queries for various database permissions
36. Write the PHP code to make the connectivity with MySql and check whether the connectivity is established
37. Identify the results of the various fetching functions with an example
38. Differentiate multiple queries versus complex printing
39. Write the basic form submission to a database to illustrate the concept of forms in HTML
40. Write a program to apply the concept of TEXT and TEXTAREA
41. Organize the steps to query the database for the contents of a single table and display the results onscreen
42. Write any five PHP MySQL functions with an example
43. Write a program to select data from a table

i. Unit – V

44. Explain the concept of primary key
45. What is an index? Explain
46. Explain UNIQUE index
47. How do you find the last inserted row
48. Discuss SQL join
49. Explain AVG and COUNT function with an example
50. Explain SUM and AVG function with an example
51. Explain MIN and MAX function with an example
52. Explain LCASE and UCASE with an example
53. Explain date function

18PMC426 PHP and MySQL
K4 and K5 Level Questions

Unit-I

1. Point out the reasons for choosing PHP for web oriented applications
2. Distinguish client side and server side technologies
3. Distinguish switch and for statement with an example
4. Take a survey of PHP Data Types
5. Compare while and do while statement with an example

Unit-II

6. Write a program to differentiate global and local variable
7. Differentiate include and require with an example
8. Write a program to implement the concept of recursion
9. Analyze any eight string functions for inspection, comparison and searching
10. Create a PHP array and evaluate the functions for inspecting arrays

Unit-III

11. Evaluate the arithmetic operators with an example
12. Analyze the function of simple mathematical functions using a program
13. How do you create a session using PHP. Explain
14. How do you create a cookie. Explain its functions
15. How do you handle errors in PHP

Unit-IV

16. Explain database design with an example
17. Analyze the necessity of privileges and security in PHP
18. Write a program to create and insert the data into MySQL
19. Examine any 10 current MySQL data types and their possible values
20. Discuss any 10 PHP-MySQL functions

Unit-V

21. Analyze the concept of indexing and table design
22. Write a PHP program that contains radio and check box
23. Discuss HTML tables and Database tables
24. How do you improve the database efficiency
25. Discuss SQL functions with example