



® Aptech Learning Darbhanga

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PMySQL and PHP (OV – 114)			
Duration:	3 Months*	Fee:	
Eligibility:	Undergraduates/ graduates/ working professionals/ engineers		
Job opportunities:	On completing this course, you can build a successful career as <b>Website Developer</b> .		
Evaluation Strategy:	Award of Grades		
	PASS	CREDIT	DISTINCTION
	Overall Weighted Marks >= 40% but < 60% qualifies for <b>PASS</b>	Overall Weighted Marks >= 60% but < 75% qualifies for <b>CREDIT</b>	Overall Weighted Marks >= 75% but < 90% qualifies for <b>DISTINCTION</b>
	Note: To attain a PASS/CREDIT/DISTINCTION grade, a student should achieve at least 40% in Final Examination; otherwise he/she will be declared as ‘Referred’.		
Learner’s Guide (eBook)	Course Content		
	Querying with MySQL		
	1. List the features of MySQL. 2. State the advantages of MySQL over other RDBMS. 3. Compare MySQL with other RDBMS. 4. State the advantages of PHP in MySQL. 5. Explain open source software licenses. 6. Explain the various distribution options of MySQL. 7. Explain the installation process of MySQL on Microsoft Windows. 8. Explain the installation process of MySQL on Red Hat Enterprise Linux. 9. Explain the configuration process of MySQL using Scripts. 10. Explain initialization of MySQL at startup. 11. Explain database. 12. Explain the data types. 13. Identify the different types of data. 14. Explain the creation of a table. 15. Explain Normalization. 16. Identify the different forms of normalization. 17. Explain Indexes and Referential Integrity. 18. Describe the commands to view and alter a database. 19. Explain the commands to retrieve data from a table. 20. Describe the commands to modify the table definitions. 21. Describe the commands to delete the table definitions. 22. Explain the use of keys in a table 23. Explain the use of indexes in a table 24. Explain modification of tables 25. Explain the use of the ORDER BY command 26. Explain the use of the GROUP BY command 27. Explain the different types of table joins in MySQL 28. Explain the use of Equi-Join 29. Explain the use of Inner Join	30. Explain the use of Outer-Join 31. Explain the use of Self-Join 32. Explain the use of multiple SELECT queries in a single SELECT query 33. Explain the use of UNION with the query 34. Use the Aggregate functions in MySQL. 35. Use the Mathematical functions in MySQL. 36. Describe the use of Date functions in MySQL. 37. Describe the use of String functions in MySQL. 38. Describe the use of System Information functions in MySQL. 39. Describe the creation of user accounts in MySQL. 40. Identify the privileges in MySQL. 41. Explain the privileges present in MySQL. 42. Explain the commands for setting up of restrictions in MySQL. 43. Describe the new features and enhancements added to MySQL 5.7. 44. Explain Geospatial data and how to use it in MySQL. 45. List and describe spatial data types in MySQL. 46. Identify JSON Data types. 47. Describe Stored Procedures. 48. Explain transactions and how to handle them. 49. Explain the impact of transactions on performance. For Aptech Centre Use Only 50. Describe MySQL support for different languages and timezone. 51. Describe Performance Optimization. 52. Describe Query related functions. 53. Explain capability of MySQL for scaling and availability. 54. Explain replication in MySQL. 55. Explain how to perform data management using replication. 56. Describe concepts of partitioning in MySQL. 57. Describe concepts of Storage Systems and Management.	

	<div data-bbox="319 112 1503 152" data-label="Section-Header"> <b>Dynamic Website Development using PHP</b> </div> <div data-bbox="379 152 1193 712" data-label="List-Group"> <ol style="list-style-type: none"> <li>1. Understand the need and history of PHP</li> <li>2. Configure PHP 7</li> <li>3. Learn the new features of PHP 7</li> <li>4. Use Form Handling in PHP</li> <li>5. Use Variables and Expressions in PHP</li> <li>6. Use various types of operators in PHP</li> <li>7. Use conditional and flow control statements in PHP</li> <li>8. Use functions in PHP</li> <li>9. Create and use arrays in PHP</li> <li>10. Describe usage of scalar type declarations in PHP programs</li> <li>11. Describe usage of anonymous classes in PHP programs.</li> <li>12. Implement database management in PHP</li> <li>13. Use cookies in PHP</li> <li>14. Perform session management in PHP</li> <li>15. Manage e-mails using PHP</li> <li>16. Explain OOPS concepts</li> <li>17. Explain generators and generator return expressions</li> <li>18. Configure PHP 7.0.4</li> <li>19. Explain exception handling and changes in exceptions in PHP 7</li> </ol> </div>
<b>Documents Required:</b>	<div data-bbox="367 792 1029 936" data-label="List-Group"> <ol style="list-style-type: none"> <li>1. All educational certificates</li> <li>2. Age proof</li> <li>3. Residential address proof (Permanent and Current)</li> <li>4. Two Passport size Photograph</li> </ol> </div> <div data-bbox="1216 810 1487 1075" data-label="Image"> </div>
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