

Overview of the Training Modules

| Topic | Description |
|-----------------------|--|
| MySQL HOME | Introduction to MySQL and overview of the course content |
| MySQL Intro | Learn what MySQL is and its key features |
| MySQL RDBMS | Understand the basics of relational databases |
| MySQL SQL | Get started with MySQL SQL syntax |
| MySQL SELECT | Retrieve data from tables using SELECT |
| MySQL WHERE | Filter results with the WHERE clause |
| MySQL AND, OR, NOT | Use logical operators to refine queries |
| MySQL ORDER BY | Sort results in ascending or descending order |
| MySQL INSERT INTO | Add new rows to a table |
| MySQL NULL Values | Handle NULL values in queries |
| MySQL UPDATE | Update existing records in a table |
| MySQL DELETE | Remove rows from a table |
| MySQL LIMIT | Limit the number of rows returned |
| MySQL MIN and MAX | Find the smallest and largest values |
| MySQL COUNT, AVG, SUM | Perform aggregate calculations |
| MySQL LIKE | Filter results with pattern matching |
| MySQL Wildcards | Use wildcards for flexible searching |
| MySQL IN | Check if a value matches a set of values |
| MySQL BETWEEN | Filter results within a range |
| MySQL Aliases | Rename columns or tables for readability |
| MySQL Joins | Combine rows from multiple tables |
| MySQL INNER JOIN | Retrieve matching rows from multiple tables |
| MySQL LEFT JOIN | Retrieve all rows from the left table |
| MySQL RIGHT JOIN | Retrieve all rows from the right table |
| MySQL CROSS JOIN | Perform a cross join between tables |
| MySQL Self Join | Join a table with itself |
| MySQL UNION | Combine the results of two queries |
| MySQL GROUP BY | Group rows based on column values |
| MySQL HAVING | Filter grouped results |
| MySQL EXISTS | Check for the existence of rows |
| MySQL ANY, ALL | Use ANY and ALL with conditions |
| MySQL INSERT SELECT | Insert data from another table |
| MySQL CASE | Perform conditional logic in queries |
| MySQL Null Functions | Handle NULL values with functions |
| MySQL Comments | Add comments to your queries |
| MySQL Operators | Use operators for calculations and comparisons |
| MySQL Create DB | Create a new database |
| MySQL Drop DB | Delete an existing database |
| MySQL Create Table | Create new tables in a database |
| MySQL Drop Table | Delete existing tables |
| MySQL Alter Table | Modify the structure of a table |
| MySQL Constraints | Define rules for data integrity |
| MySQL Not Null | Ensure columns do not accept NULL values |
| MySQL Unique | Ensure unique values in a column |

| | |
|----------------------|---------------------------------------|
| MySQL Primary Key | Define the primary key for a table |
| MySQL Foreign Key | Define relationships between tables |
| MySQL Check | Define rules for data validation |
| MySQL Default | Set default values for columns |
| MySQL Create Index | Create indexes for faster queries |
| MySQL Auto Increment | Automatically increment column values |