

# MySQL – Course Syllabus

1. Installation
  - 1.1. Installing MySQL on nLinux
  - 1.2. Setting up yum repository
  - 1.3. Installing MySQL Shell with the MySQL Yum Repository
  - 1.4. Post Installation Steps
  - 1.5. Running MySQL at boot time
2. Administration
  - 2.1. /etc/my.cnf file configuration
3. Create Database
4. Drop Database
5. Select Database
6. Data Types
7. Create Tables
8. Drop Tables
9. Alter commands
  - 9.1. Dropping, Adding or Repositioning a Column
  - 9.2. Changing a Column Definition or name
  - 9.3. Changing a Column's default value
  - 9.4. Changing a table type
  - 9.5. Renaming a table
10. MySQL Functions
11. Insert query
12. Select query
13. Update query
14. Delete query
15. Using joins
16. Null values
17. Transactions
  - 17.1. Properties of transactions
  - 17.2. COMMIT and ROLLBACK
  - 17.3. Generic Example on Transaction
  - 17.4. Transaction-safe table Types in MySQL
18. Indexes
  - 18.1. Simple and Unique index
  - 18.2. ALTER command to add and drop INDEX
  - 18.3. ALTER command to add or drop PRIMARY KEY
  - 18.4. Displaying index information
19. Temporary Tables
20. Clone Tables
21. Database Info
  - 21.1. Listing Database and Tables
  - 21.2. Getting Server Metadata
22. Using Sequences
  - 22.1. Using AUTO\_INCREMENT sequence
  - 22.2. Remembering an existing Sequence

- 22.3. Starting a Sequence at a Particular value
- 23. Database Export
  - 23.1. Exporting data with the SELECT into OUTPUT file
  - 23.2. Exporting Tables as Raw Data (mysqldump)
  - 23.3. Exporting Table contents or Definitions in SQL Format
  - 23.4. Copying Tables or Database to Another Host
- 24. Database Import
  - 24.1. Importing data with LOAD DATA
  - 24.2. Importing data with mysqlimport
- 25.