

Program Overview

Data Analysis through SQL and Power BI

1. About the course:

The course is designed to provide how to execute core SQL commands to define, select, manipulate, control access, aggregate and join data and data tables. Understand when and how to use subqueries, several window functions, as well as partitions to complete complex tasks. Clean data, optimize SQL queries, and write select advanced JOINS to enhance analysis performance. Explain which cases you would want to use particular SQL commands, and apply the results from queries to address business problems. Power BI is a Data Visualization tool used in industry designed by Microsoft, Power BI is used for creating beautiful Graphs and reports, as part of this course you will learn how to work with power BI and use its powerful features to create beautiful dashboards .

2. Course Objective:

Upon the successful completion of this course, the student will be able to:

- Install and run the My SQL DB
- Create and execute SQL Queries
- Understand the importance of data storage and management
- Be able to do basic data analysis with SQL statements
- Build Analytical pipeline with MySQL
- Learn Power BI

3. Job Opportunities:

- Data Engineer
- Data Analyst
- Assistant Manager- Analytics
- SQL developer

4. Course Outcomes:

- Develop the ability to understand business problems, & data using data analytical techniques.
- Understand data – data gathering, data exploration, data manipulation.
- Understand data engineering – demystifying semi-structured/unstructured data
- Perform data analysis using SQL
- Build a data analysis

5. Medium of Instruction or recording: English

6. Minimum Eligibility: 12th pass or its equivalent from a recognized Board or University.

7. Pre-requisite:

- Any Bachelors degree with Basic Mathematics/Statistics as a core/optional subject with passion to learn online.
- B.Sc, B.B.M, B.Com, M.Com, MBA, MCA, M.Sc
- Basic working knowledge of Computers

8. Duration: - 60 days

9. Common Pre-requisites:

Hardware (Minimum Specification):

- Processor: Intel i3 7th Generations or Higher
- RAM: 4GB
- Graphic Card: Not Required
- Storage: 256 GB

Software:

- MySQL and Power BI
- OS: Windows* Linux* macOS*

10. Course Break-up:

This course is delivered as a blended program. It means it includes Recorded sessions and Live Sessions as well. The duration of each topic (Live or Recorded) varies, depending of the nature and need of the topic.

11. Qualifying Marks:

To get the certificate of completion, a student needs to obtain minimum 40 % aggregate marks.

12. Assessment:

Assessment of each student will be done on the basis of their score in Quizzes, assignment submitted, presence and interaction in live classes and finally completion of the course within the stipulated time period or before the expiry of their validity. Assessment and marking in assignments and live classes is done by the faculties of Boston Training Academy.

13. Assignment Submission Deadline:

On or before 7 days from release of assignment.



- 14. Certification:** Certificate of completion is provided jointly by CSC Academy and Boston Training Academy.