



Database

⇒ Course 01: Microsoft SQL Server Development for Everyone

- Introduction
- Manipulating Tables and Data
- Relationships Foreign Keys
- Group By and Aggregate Functions
- Advanced SQL Server Objects and Concepts

⇒ Course 02: SQL Programming Masterclass

- Introduction
- Setting up Course Tools
- Browsing & Filtering Data
- Filter Data with AND, OR, NOT Operators
- Math Operations
- String Concatenation
- Tidy Up Your Results: Sorting, Alias Names, Limit Records
- NULL, DISTINCT & CASE Statements
- Functions in SQL: Multiple-Row Functions
- Functions in SQL: Single-Row Functions
- Nested Queries
- Casting & Data Conversion
- Combination Relationships
- Joins in SQL
- Data Manipulation (DML)
- SQL Data Definition Language (DDL)

⇒ Course 03: SQL NoSQL Big Data and Hadoop

- Introduction
- Relational Database Systems
- Database Classification
- Key-Value Store
- Document-Oriented Databases
- Search Engines
- Wide Column Store
- Time Series Databases
- Graph Databases
- Hadoop Platform
- Big Data SQL Engines
- Distributed Commit Log
- Summary

⇒ Course 04: Python Programming for Everybody

Module 01

- A Installing Python
- Documentation
- Command Line
- Variables
- Simple Python Syntax
- Keywords
- Import Module

Module 02

- Additional Topics
- If Elif Else
- Iterable
- For
- Loops
- Execute
- Exceptions

Module 03

- Data Types
- Number Types
- More Number Types
- Strings
- More Strings
- Files
- Lists
- Dictionaries
- Tuples
- Sets

Module 04

- Comprehensions
- Definitions
- Functions
- Default Arguments
- Doc Strings
- Variadic Functions
- Factorial

Module 05

- Function Objects
- Lambda
- Generators
- Closures
- Classes
- Object Initialization
- Class Static Members
- Classic Inheritance
- Data Hiding

⇒ Course 05: Data Science with Python

- Introduction to Python Data Science
- Data Cleaning Packages
- Data Visualization packages

⇒ Course 06: Javascript Programming for Beginners

- Introduction
- Project Files
- What is JavaScript?
- Running JS Code
- Variables
- Arithmetic Operators
- Conditional Statement
- Comparison Operators
- Boolean Logic
- Function
- Object
- Methods
- While Loops
- Continue and Break
- For Loops
- Arrays
- Iterating over Arrays
- Multidimensional Arrays
- Introduction to the DOM API
- Conclusion

⇒ Course 07: C# Programming - Beginner to Advanced

- Introduction
- Basics to get started
- Logic
- Methods (basic)
- Classes (basics)
- Variables (basic)
- Useful methods
- Text (advanced)
- Classes (advanced)
- Binary (advanced)
- Asynchronous (advanced)
- Search in objects (linq)
- Conclusion

⇒ Course 08: R Programming for Data Science

- Data Science Overview
- R and RStudio
- Introduction to Basics
- Vectors
- Matrices
- Factors
- Data Frames
- Lists
- Relational Operators
- Logical Operators
- Conditional Statements
- Loops
- Functions
- R Packages
- The Apply Family - lapply
- The apply Family – sapply & vapply
- Useful Functions
- Regular Expressions
- Dates and Times
- Getting and Cleaning Data
- Plotting Data in R
- Data Manipulation with dplyr

⇒ Course 09: Three.js & WebGL 3D Programming Course for Beginners

- Course Intro
- Introduction
- Draw Geometry
- Update Viewport On Resize
- Controls
- Textures & Colours
- Lighting
- Model Loading
- FPS (Frames Per Second/Framerate)
- Anaglyphic 3D
- Skybox

⇒ Course 10: Basic Google Data Studio

- Introduction to GDS
- Data Visualization
- Geo-visualization
- A Socio-Economic Case Study

⇒ Course 11: Data Analytics with Tableau

- Introduction to the Course
- Project 1: Discount Mart (Sales and Profit Analytics)
- Project 2: Green Destinations (HR Analytics)
- Project 3: Superstore (Sales Agent Tracker)
- Northwind Trade (Shipping Analytics)
- Project 5: Tesla (Stock Price Analytics)
- Bonus: Introduction to Database Concepts
- Tableau Stories



Thank You