R-Creation

track of IT

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Java Course Outline

- ❖ **Introduction**
  - o Overview
  - o First Java Program
  - o Understanding Java Program

- ❖ **Java Basic**
  - o Variable & Data Type
  - o Operation & Operators
  - o Access Modifier

- ❖ **Conditional Statement**
  - o if Statement
  - o if else Statement
  - o if .. else if Statement

- ❖ **Conditional Statement**
  - o Switch Case
  - o break
  - o continue

- ❖ **Looping**
  - o For loop
  - o While loop
  - o do… while loop

- ❖ **Array**
  - o Array Basic
  - o One Dimensional Array
  - o Two Dimensional Array

- ❖ **String**
  - o String Basic
  - o String Buffer
  - o Etc.

- ❖ **Exceptions**
  - o Exception handling

- ❖ **Threading**

- ❖ **Class & Object**
  - o Methods

- ❖ **OOP with Java**
  - o Inheritance
  - o Encapsulation

- ❖ **OOP with Java**
  - o Polymorphism
  - o Interface
  - o Abstraction
  - o Package

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❖ File
   o File I/O Operation
	❖ Java Collections
	   o List + Array List
	   o Map + Hash Map
	   o Vector

❖ Database Programming
   o MySQL
      ▪ Insert
      ▪ Delete
      ▪ Update
      ▪ Select
      ▪ Etc.
	❖ Database Programming
	   o MySQL
	      ▪ Aggregate Function
	      ▪ Etc.

❖ Java GUI Application
   o Swing Introduction
   o Swing Component
   o Swing Layout
   o Swing Menu Item
	❖ Java GUI Application
	
	   o Designing an Application

❖ Java CRUD and JDBC
 	
   o Insert (Save)
   o Delete (Remove)
   o Update (Edit)
   o Select (Search)
	❖ Project Development

❖ iText Report	Review Class