SQL

* Database Design: <1 assignemnt>
* Identify entity
* Identify entity attributes
* Identify entity relationsCommon rules:
* Each column of row only store one value
* Same data in same column is same data type
* Computed column is redundant

Database platform:

* SQL Server <v>
* MySQL
* PostgreSQL
* OracleDB

Database operation: <1 presentation>

* Create
* Read
* Simple read (Select \* from <table>)
* Condition read (where)
* Sorting read (order by)
* Joining read (Join)
* Aggregate read (Group by)
* Limited read (top)

UpdateDelete  
  
Java

* OOP: <2 assignment>
* Class structure
* Object creation
* Data hiding
* Method overloading vs overriding
* Abstract class vs interface

String:

* String manipulation
* String immutation
* Collection: <1 presentation>
* List
* Set
* Map

Solid <1 assignment>  
Exception <0.5 presentation>

* What is exception ?
* Type of exception
* How to handle

IO <0.5 presation>

* How to read/write text in file
* How to read/write object in file

JDBC <1 assigment>

* How to connect Java with SQL ?
* How to perform CRUD ?

DSA:

* Rule of Algo
* Big O
* Array
* Sort (Coding test 1)
* LinkedList (Presentation)
* Stack/Queue (Coding test 1)
* Search

WEB

* Tech:
* Servlet/JSP
* Framework: Spring, ReactJS, Angular, NodeJS

Setup Project RequirementSetup process/tool Implement