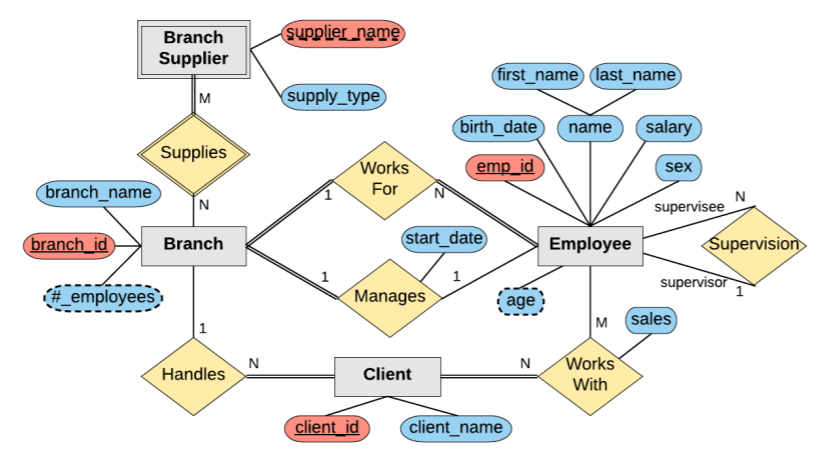
**데이터베이스**

**Homework for Lecture 9**



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| SUBJECT  PROFESSOR SUBMISSION DATE | 데이터베이스  아지즈 교수님  2021.10.15 | MAJOR STUDENT NUMBER  NAME | 소프트웨어학과 2019038044  신주영 |

**Task**



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| Step 1 : Strong entity types and single valued attributes  Branch(branch\_id, branch\_name)  Client(client\_id, client\_name)  Employee(emp\_id, birth\_date, first\_name, last\_name, salary, sex) |
| Step 2 : Weak Entity Type and Single Value Attribute  Branch\_Supplier(branch\_id, supplier\_name, supply\_type) |
| Step 3 : Binary 1:1 Relationship Type  Branch(branch\_id, branch\_name, Manages, start\_date) |
| Step 4 : Regular binary 1:N relationship type  Employee(emp\_id, birth\_date, first\_name, last\_name, salary, sex, branch\_id)  Client(client\_id, client\_name, branch\_id)  Employee(emp\_id, birth\_date, first\_name, last\_name, salary, sex, Subemp\_id) |
| Step 5 : Binary M:N relationship type  WorksWith(client\_id, emp\_id, sales)  Supplies(branch\_id, supplier\_id) |
| Step 6 : Ternary or higher relationship types  X |
| Step 7 : Multi-valued attribute  X |

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| 최종  Employee(emp\_id, birth\_date, first\_name, last\_name, salary, sex, branch\_id)  Branch(branch\_id, branch\_name, Manages, start\_date)  Client(client\_id, client\_name, branch\_id)  WorksWith(client\_id, emp\_id, sales)  Supplies(branch\_id, supplier\_id) |