**Course 2 - Backend and Database Development**

**Day 14: 14 Jan 2025**

Developing Banking Application using JDBC with maven build tool.

account -🡪 accno int (PK), name (varchar(30)), amount float

create table account(accno int primary key,name varchar(30), amount float);

100,Steven,15000

create table transaction(tid int primary key auto\_increment,accno int,dot date,foreign key(accno) references account(accno));

alter table transaction add typeoftransaction varchar(30);

alter table transaction add amount float;

1,100,14-Jan-2025,withdrawn,50

Database side Table and Java Side JavaBean class must be match.

Account -🡪 Table (Database) , accno, name, amount -🡪column

Account 🡪JavaBean (Java Side) accno,name, amount 🡪 variable with their data types and setter and getter method.

DAO class : Data Access Object : This class contains pure database logic.

AccountDao

TransactionDao

LoginDao

CustomerDao

Service class : This class contains pure business logic.

AccountService

TransactionService

LoginService

CustomerService