

Bank + Employee + Position Functional Dependencies and Tables

branch_num → (location, num_employee, num_client)

employee_id → (name, age, title, is_admin, hire_date)

title → (clearance_level)

Bank Table

<u>branch_num</u>	location	num_employee	num_client
INT P-key	VARCHAR	INT ≥ 0	INT ≥ 0

Employee Table

<u>employee_id</u>	branch_num	age	name	title	hire_date
INT P-key	INT F-key	INT ≥ 0	VARCHAR	ENUM	DATE

Title Table

<u>title</u>	clearance_level
ENUM P-key	INT

Client + Subscription + Account Functional Dependencies and Tables

client_id → (client_name, credit_score)

subscription_id → (client_id, service_name,
subscription_init_date, subscription_end_date,
subscription_status, monthly_fee)

account_num → (client_id, balance, account_type)

Client Table

<u>client_id</u>	client_name	credit_score
INT P-key	VARCHAR	INT Range

Subscription Table

<u>subscription_id</u>	client_id	service_name	subscription_init_date	subscription_end_date	Subscription Status	monthly_fee
INT P-key	INT F-key	VARC HAR	DATE	DATE	ENUM	DECIMAL

Account Table

<u>account_num</u>	client_id	balance	account_type
INT P-key	INT F_key	VARCHAR Or DOUBLE	ENUM