**ASSIGNMENT 4**

Submitted by: Akshay Jain

Registration Number: 17BCS002

**Topic:** LIFE INSURANCE

**Problem 1**

**SCHEMA AND TABLE VIEW**

Table 1: Accident

* **Schema:**

CREATE TABLE Accident(

date DATE NOT NULL,

report\_id INTEGER PRIMARY KEY AUTOINCREMENT,

police\_report\_doc IMAGE NOT NULL,

damage\_cost FLOAT NOT NULL,

fault BOOLEAN NOT NULL,

customer\_id INTEGER,

CONSTRAINT fk\_customer

FOREIGN KEY (customer\_id)

REFERENCES Customer(customer\_id)

ON DELETE CASCADE

)

* **View:**

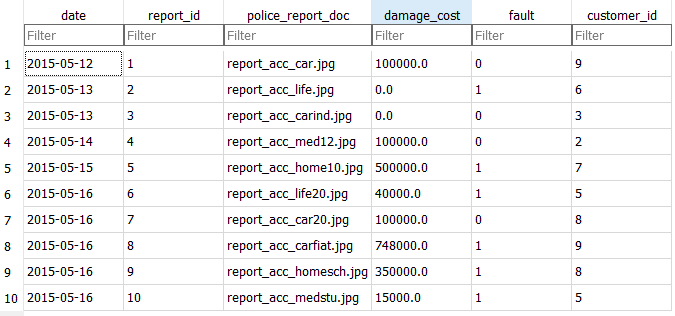
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Table 2: Address

* **Schema:**

CREATE TABLE "Address" (

"state" TEXT NOT NULL,

"city" TEXT NOT NULL,

"pincode" INTEGER NOT NULL,

PRIMARY KEY("pincode")

)

* **View:**

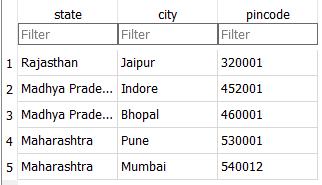


Table 3: Agent

* **Schema:**

CREATE TABLE Agent (

"agent\_id" INTEGER PRIMARY KEY AUTOINCREMENT,

"first\_name" TEXT NOT NULL,

"last\_name" TEXT NOT NULL,

"user\_name" VARCHAR NOT NULL UNIQUE,

"date\_of\_birth" date NOT NULL,

"aadhar\_number" VARCHAR NOT NULL UNIQUE,

"contact\_details" VARCHAR NOT NULL,

"pincode" INTEGER,

CONSTRAINT fk\_address

FOREIGN KEY (pincode)

REFERENCES Address(pincode)

ON DELETE CASCADE

)

* **View:**

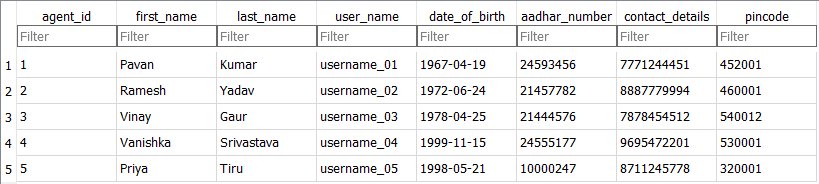


Table 4: Customer

* **Schema:**

CREATE TABLE Customer(

customer\_id INTEGER PRIMARY KEY AUTOINCREMENT,

first\_name TEXT NOT NULL,

last\_name TEXT NOT NULL,

aadhar\_number VARCHAR UNIQUE NOT NULL,

date\_of\_birth DATE NOT NULL,

driving\_license\_number VARCHAR NOT NULL,

contact\_details VARCHAR NOT NULL,

pincode INTEGER,

agent\_id INTEGER,

policy\_number INTEGER,

CONSTRAINT fk\_address

FOREIGN KEY (pincode)

REFERENCES Address(pincode)

ON DELETE CASCADE,

CONSTRAINT fk\_agent

FOREIGN KEY (agent\_id)

REFERENCES Agent(agent\_id)

ON DELETE CASCADE,

CONSTRAINT fk\_policy

FOREIGN KEY (policy\_number)

REFERENCES "\_old"(policy\_number)

ON DELETE CASCADE

)

* **View:**

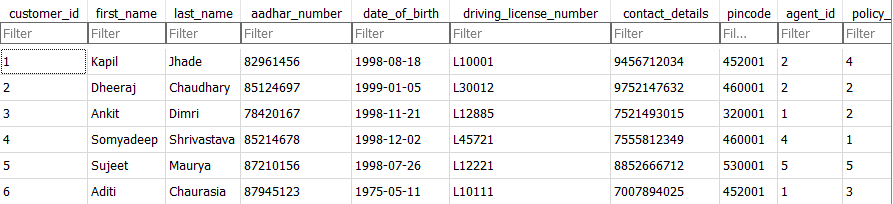


Table 5: Insurance

* **Schema:**

CREATE TABLE "Insurance" (

"insurance\_id" INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT UNIQUE,

"insurance\_type" VARCHAR NOT NULL

)

* **View:**

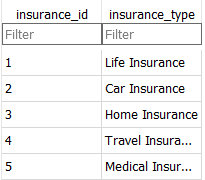


Table 6: Payment

* **Schema:**

CREATE TABLE Payment(

transaction\_id INTEGER PRIMARY KEY,

date\_of\_payment DATE NOT NULL,

payment\_amount FLOAT NOT NULL,

report\_id INTEGER,

CONSTRAINT fk\_accident

FOREIGN KEY (report\_id)

REFERENCES "\_old"(report\_id)

ON DELETE CASCADE

)

* **View:**

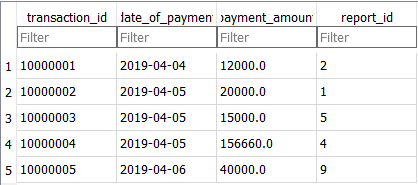


Table 7: Policy

* **Schema:**

CREATE TABLE Policy(

policy\_number INTEGER PRIMARY KEY AUTOINCREMENT,

issue\_date DATE NOT NULL,

term\_cost FLOAT NOT NULL,

amount\_coverage FLOAT NOT NULL,

policy\_type VARCHAR NOT NULL,

insurance\_id INTEGER,

CONSTRAINT fk\_insurance

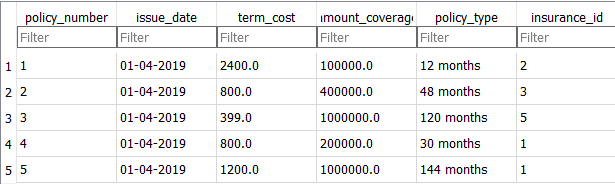
FOREIGN KEY (insurance\_id)

REFERENCES Insurance(insurance\_id)

ON DELETE CASCADE

)

* **View:**



**Problem 2**

**Solution 2.1:**

Query:

SELECT

transaction\_id, date\_of\_payment, Accident.customer\_id

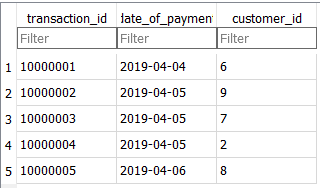
FROM

Accident, Payment

WHERE

Accident.report\_id = Payment.report\_id

View:



**Solution 2.2:**

Query:

SELECT

first\_name || "(" || "testing" || ")" AS newcolumn

FROM

Customer

View:

