|  |  |
| --- | --- |
| CREATE TABLE Vraboten (  ID INTEGER PRIMARY KEY,  ime VARCHAR(50),  prezime VARCHAR(50),  datum\_r DATE,  datum\_v DATE,  obrazovanie VARCHAR(15),  plata INTEGER(15)  ); | CREATE TABLE Transakcija\_shalter (  ID INTEGER PRIMARY KEY,  ID\_v INTEGER,  FOREIGN KEY (ID\_v) REFERENCES Vraboten(ID), MBR\_k INTEGER,  FOREIGN KEY (MBR\_k) REFERENCES Klient(MBR\_k), MBR\_k\_s INTEGER,  FOREIGN KEY (MBR\_k\_s) REFERENCES Smetka(MBR\_k), broj INTEGER, FOREIGN KEY (broj) REFERENCES Smetka(broj),  datum DATE, suma INTEGER, tip VARCHAR(10), ); |
| CREATE TABLE Shalterski\_rabotnik (  ID INTEGER PRIMARY KEY,  FOREIGN KEY (ID) REFERENCES Vraboten(ID)  ); | CREATE TABLE Bankomat (  ID INTEGER PRIMARY KEY,  lokacija VARCHAR(50),  datum DATE,  zaliha INTEGER(20)  ); |
| CREATE TABLE Klient (  MBR\_k INTEGER PRIMARY KEY,  ime VARCHAR(50),  prezime VARCHAR(50),  adresa VARCHAR(100),  datum DATE  ); | CREATE TABLE Transakcija\_bankomat (  ID INTEGER PRIMARY KEY,  MBR\_k\_s INTEGER,  FOREIGN KEY (MBR\_k\_s) REFERENCES Smetka(MBR\_k\_s), broj INTEGER, FOREIGN KEY (broj) REFERENCES Smetka(broj), ID\_b INTEGER,  FOREIGN KEY (ID\_b) REFERENCES Bankomat(ID), datum DATE, suma INTEGER  ); |
| CREATE TABLE Smetka (  MBR\_k INTEGER,  FOREIGN KEY (MBR\_k) REFERENCES Klient(MBR\_k)  broj INTEGER PRIMARY KEY,  valuta VARCHAR(10),  saldo INTEGER (20),  ); |  |

CREATE TABLE Vraboten (

ID INTEGER PRIMARY KEY,

ime VARCHAR(50),

prezime VARCHAR(50),

datum\_r DATE,

datum\_v DATE,

CONSTRAINT date\_check CHECK (datum\_r < datum\_v), (6)

obrazovanie VARCHAR(15),

CONSTRAINT obrazovanie\_check CHECK (obrazovanie IN ('PhD', 'MSc', 'High School', 'BSc')) (3)

plata INTEGER(15)

);

CREATE TABLE Shalterski\_rabotnik (

ID INTEGER PRIMARY KEY,

FOREIGN KEY (ID) REFERENCES Vraboten(ID) ON DELETE SET NULL

);

CREATE TABLE Klient (

MBR\_k INTEGER PRIMARY KEY,

ime VARCHAR(50),

prezime VARCHAR(50),

adresa VARCHAR(100) DEFAULT 'Ne e navedena',

datum DATE

);

CREATE TABLE Smetka (

MBR\_k INTEGER,

FOREIGN KEY (MBR\_k) REFERENCES Klient(MBR\_k)

broj INTEGER PRIMARY KEY,

valuta VARCHAR(10),

saldo INTEGER (20),

);

CREATE TABLE Transakcija\_shalter (   
ID INTEGER PRIMARY KEY,   
ID\_v INTEGER,   
FOREIGN KEY (ID\_v) REFERENCES Vraboten(ID) ON DELETE SET NULL, (1)  
MBR\_k INTEGER,   
FOREIGN KEY (MBR\_k) REFERENCES Klient(MBR\_k),  
MBR\_k\_s INTEGER,   
FOREIGN KEY (MBR\_k\_s) REFERENCES Smetka(MBR\_k),  
broj INTEGER,  
FOREIGN KEY (broj) REFERENCES Smetka(broj),

datum DATE,

CONSTRAINT date\_check CHECK (datum NOT BETWEEN '2020-12-30' AND '2021-01-14')  
suma INTEGER, (4)  
tip VARCHAR(10),

CONSTRAINT tip\_check CHECK (tip IN ('uplata', 'isplata')) (5)  
);

CREATE TABLE Bankomat (

ID INTEGER PRIMARY KEY,

lokacija VARCHAR(50) UNIQUE, (8)

datum DATE,

zaliha INTEGER(20),

CONSTRAINT zaliha\_check CHECK (zaliha >= 0) (5)

);

CREATE TABLE Transakcija\_bankomat (

ID INTEGER PRIMARY KEY,   
MBR\_k\_s INTEGER,   
FOREIGN KEY (MBR\_k\_s) REFERENCES Smetka(MBR\_k\_s),  
broj INTEGER,  
FOREIGN KEY (broj) REFERENCES Smetka(broj),  
ID\_b INTEGER DEFAULT -1, (2)

FOREIGN KEY (ID\_b) REFERENCES Bankomat(ID) ON DELETE SET DEFAULT, (2)  
datum DATE,  
suma INTEGER

);

IF NOT EXPLICITLY STATED  
CREATE TABLE Transakcija\_shalter (

ID INTEGER PRIMARY KEY,

ID\_v INTEGER,

FOREIGN KEY (ID\_v) REFERENCES Vraboten(ID) ON DELETE CASCADE ON UPDATE CASCADE, -- Cascading delete and update for employee

MBR\_k INTEGER,

FOREIGN KEY (MBR\_k) REFERENCES Klient(MBR\_k) ON DELETE CASCADE ON UPDATE CASCADE, -- Cascading delete and update for client

MBR\_k\_s INTEGER,

FOREIGN KEY (MBR\_k\_s) REFERENCES Smetka(MBR\_k\_s) ON DELETE CASCADE ON UPDATE CASCADE, -- Cascading delete and update for account

broj INTEGER,

FOREIGN KEY (broj) REFERENCES Smetka(broj) ON DELETE CASCADE ON UPDATE CASCADE, -- Cascading delete and update for account number

datum DATE,

suma INTEGER,

tip VARCHAR(10),

CONSTRAINT transakcija\_date\_check CHECK (datum NOT BETWEEN '2020-12-30' AND '2021-01-14'),

CONSTRAINT transakcija\_tip\_check CHECK (tip IN ('uplata', 'isplata'))

);