-- Crearea tabelului pentru informatii despre autoturisme

CREATE TABLE A\_Autoturisme (

IdAutoturism INT PRIMARY KEY,

Marca VARCHAR(100) NOT NULL,

Model VARCHAR(100) NOT NULL,

AnFabricatie INT NOT NULL,

Pret DECIMAL(10,2) NOT NULL,

CONSTRAINT CK\_AnFabricatie CHECK (AnFabricatie >= 1900 AND AnFabricatie <= 2024),

CONSTRAINT CK\_Pret CHECK (Pret > 0)

);

-- Crearea tabelului pentru informatii despre clienti

CREATE TABLE A\_Clienti (

IdClient INT PRIMARY KEY,

Nume VARCHAR(100) NOT NULL,

Prenume VARCHAR(100) NOT NULL,

Adresa VARCHAR(200),

Telefon VARCHAR(20),

CONSTRAINT chk\_telefon CHECK (Telefon LIKE '[0-9]%')

);

-- Crearea tabelului pentru informatii despre vanzari

CREATE TABLE A\_Vanzari (

IdVanzare INT PRIMARY KEY,

IdAutoturism INT,

IdClient INT,

DataVanzare DATE,

FOREIGN KEY (IdAutoturism) REFERENCES A\_Autoturisme(IdAutoturism),

FOREIGN KEY (IdClient) REFERENCES A\_Clienti(IdClient),

CONSTRAINT uniq\_vanzare UNIQUE (IdAutoturism, IdClient)

);

-- Crearea tabelului pentru informatii despre asigurari

CREATE TABLE A\_Asigurari (

IdAsigurare INT PRIMARY KEY,

IdAutoturism INT,

DataInceput DATE,

DataSfarsit DATE,

SumaAsigurata DECIMAL(10,2),

FOREIGN KEY (IdAutoturism) REFERENCES A\_Autoturisme(IdAutoturism),

CONSTRAINT chk\_suma\_asigurata CHECK (SumaAsigurata >= 0),

CONSTRAINT uniq\_asigurare UNIQUE (IdAutoturism, DataInceput, DataSfarsit)

);

-- Crearea tabelului pentru informatii despre service

CREATE TABLE A\_Service (

IdService INT PRIMARY KEY,

IdAutoturism INT,

DataIntrare DATE,

DataIesire DATE,

DescriereProblema VARCHAR(500),

Cost DECIMAL(10,2),

FOREIGN KEY (IdAutoturism) REFERENCES A\_Autoturisme(IdAutoturism),

CONSTRAINT chk\_cost CHECK (Cost >= 0),

CONSTRAINT uniq\_service UNIQUE (IdAutoturism, DataIntrare, DataIesire)

);

Alter table A\_Autoturisme

DROP CONSTRAINT CK\_Pret;

ALTER TABLE A\_CLIENTI ADD Strada VARCHAR2(100);

ALTER TABLE A\_CLIENTI DROP COLUMN Strada;

-- A\_AUTOTURISME

INSERT INTO A\_AUTOTURISME (IdAutoturism, Marca, Model, AnFabricatie, PRET)

Values (1,'Renault', 'Kadjar', 2018, 15000);

INSERT INTO A\_AUTOTURISME (IdAutoturism, Marca, Model, AnFabricatie, PRET)

Values (2,'Mercedes', 'C Class', 2014, 17000);

INSERT INTO A\_AUTOTURISME (IdAutoturism, Marca, Model, AnFabricatie, PRET)

Values (3,'Audi', 'A6', 2015, 16500);

INSERT INTO A\_AUTOTURISME (IdAutoturism, Marca, Model, AnFabricatie, PRET)

Values (4,'NISSAN', 'Qashqai', 2020, 19000);

INSERT INTO A\_AUTOTURISME (IdAutoturism, Marca, Model, AnFabricatie, PRET)

Values (5,'Volkswagen', 'Tiguan', 2021, 21000);

INSERT INTO A\_AUTOTURISME (IdAutoturism, Marca, Model, AnFabricatie, PRET)

Values (6,'Mercedes', 'VITO', 2014, 18000);

INSERT INTO A\_AUTOTURISME (IdAutoturism, Marca, Model, AnFabricatie, PRET)

Values (7,'NISSAN', 'GTR', 2018, 38000);

INSERT INTO A\_AUTOTURISME (IdAutoturism, Marca, Model, AnFabricatie, PRET)

Values (8,'Mercedes', 'S Class', 2016, 25000);

INSERT INTO A\_AUTOTURISME (IdAutoturism, Marca, Model, AnFabricatie, PRET)

Values (9,'Volkswagen', 'MK8', 2020, 26000);

INSERT INTO A\_AUTOTURISME (IdAutoturism, Marca, Model, AnFabricatie, PRET)

Values (10,'BMW', 'M5', 2019, 29000);

INSERT INTO A\_AUTOTURISME (IdAutoturism, Marca, Model, AnFabricatie, PRET)

Values (11,'Skoda', 'Rapid', 2014, 17000);

Update A\_Autoturisme set PRET = 41000 where IdAutoturism = 10;

Delete from A\_Autoturisme where IdAutoturism = 11;

-- A\_Clienti

INSERT INTO A\_Clienti (IdClient, Nume, Prenume, Adresa, Telefon)

VALUES (1, 'Ciorici', 'Miroslav', 'Str. Libertatii 10', '0723456789');

INSERT INTO A\_Clienti (IdClient, Nume, Prenume, Adresa, Telefon)

VALUES (2, 'Ionescu', 'Maria', 'Str. Victoriei 20', '0734567890');

INSERT INTO A\_Clienti (IdClient, Nume, Prenume, Adresa, Telefon)

VALUES (3, 'Georgescu', 'Andrei', 'Str. Mihai Viteazu 30', '0745678901');

INSERT INTO A\_Clienti (IdClient, Nume, Prenume, Adresa, Telefon)

VALUES (4, 'Popa', 'Elena', 'Str. Unirii 40', '0756789012');

INSERT INTO A\_Clienti (IdClient, Nume, Prenume, Adresa, Telefon)

VALUES (5, 'Dragomir', 'Alexandru', 'Str. Stefan cel Mare 50', '0767890123');

INSERT INTO A\_Clienti (IdClient, Nume, Prenume, Adresa, Telefon)

VALUES (6, 'Stan', 'Cristina', 'Str. Bucuresti 60', '0778901234');

INSERT INTO A\_Clienti (IdClient, Nume, Prenume, Adresa, Telefon)

VALUES (7, 'Dumitrescu', 'Mihai', 'Str. Cluj 70', '0789012345');

INSERT INTO A\_Clienti (IdClient, Nume, Prenume, Adresa, Telefon)

VALUES (8, 'Gheorghe', 'Ana', 'Str. Timisoara 80', '0790123456');

INSERT INTO A\_Clienti (IdClient, Nume, Prenume, Adresa, Telefon)

VALUES (9, 'Pop', 'Marian', 'Str. Iasi 90', '0801234567');

INSERT INTO A\_Clienti (IdClient, Nume, Prenume, Adresa, Telefon)

VALUES (10, 'Munteanu', 'Laura', 'Str. Brasov 100', '0812345678');

-- A\_VANZARI

INSERT INTO A\_Vanzari (IdVanzare, IdAutoturism, IdClient, DataVanzare)

VALUES (1, 1, 1, '01-01-2020');

INSERT INTO A\_Vanzari (IdVanzare, IdAutoturism, IdClient, DataVanzare)

VALUES (2, 2, 2, '02-04-2020');

INSERT INTO A\_Vanzari (IdVanzare, IdAutoturism, IdClient, DataVanzare)

VALUES (3, 3, 3, '01-05-2021');

INSERT INTO A\_Vanzari (IdVanzare, IdAutoturism, IdClient, DataVanzare)

VALUES (4, 4, 4, '04-07-2020');

INSERT INTO A\_Vanzari (IdVanzare, IdAutoturism, IdClient, DataVanzare)

VALUES (5, 5, 5, '01-05-2019');

INSERT INTO A\_Vanzari (IdVanzare, IdAutoturism, IdClient, DataVanzare)

VALUES (6, 6, 6, '03-05-2018');

INSERT INTO A\_Vanzari (IdVanzare, IdAutoturism, IdClient, DataVanzare)

VALUES (7, 7, 7, '04-08-2020');

INSERT INTO A\_Vanzari (IdVanzare, IdAutoturism, IdClient, DataVanzare)

VALUES (8, 8, 8, '17-03-2021');

INSERT INTO A\_Vanzari (IdVanzare, IdAutoturism, IdClient, DataVanzare)

VALUES (9, 9, 9, '28-03-2019');

INSERT INTO A\_Vanzari (IdVanzare, IdAutoturism, IdClient, DataVanzare)

VALUES (10, 10, 10, '29-07-2020');

-- A\_SERVICE

INSERT INTO A\_Service (IdService, IdAutoturism, DataIntrare, DataIesire, DescriereProblema, Cost)

VALUES

(1, 1, TO\_DATE('01-01-2022', 'DD-MM-YYYY'), TO\_DATE('02-01-2022', 'DD-MM-YYYY'), 'Problema la motor', 100.00);

INSERT INTO A\_Service (IdService, IdAutoturism, DataIntrare, DataIesire, DescriereProblema, Cost)

VALUES

(2, 2, TO\_DATE('05-02-2022', 'DD-MM-YYYY'), TO\_DATE('07-02-2022', 'DD-MM-YYYY'), 'Problema la frane', 150.00);

INSERT INTO A\_Service (IdService, IdAutoturism, DataIntrare, DataIesire, DescriereProblema, Cost)

VALUES

(3, 3, TO\_DATE('10-03-2022', 'DD-MM-YYYY'), TO\_DATE('12-03-2022', 'DD-MM-YYYY'), 'Problema electrica', 200.00);

INSERT INTO A\_Service (IdService, IdAutoturism, DataIntrare, DataIesire, DescriereProblema, Cost)

VALUES

(4, 4, TO\_DATE('15-04-2022', 'DD-MM-YYYY'), TO\_DATE('17-04-2022', 'DD-MM-YYYY'), 'Problema la transmisie', 250.00);

INSERT INTO A\_Service (IdService, IdAutoturism, DataIntrare, DataIesire, DescriereProblema, Cost)

VALUES

(5, 5, TO\_DATE('20-05-2022', 'DD-MM-YYYY'), TO\_DATE('22-05-2022', 'DD-MM-YYYY'), 'Problema la suspensie', 300.00);

INSERT INTO A\_Service (IdService, IdAutoturism, DataIntrare, DataIesire, DescriereProblema, Cost)

VALUES

(6, 6, TO\_DATE('25-06-2022', 'DD-MM-YYYY'), TO\_DATE('27-06-2022', 'DD-MM-YYYY'), 'Problema la aer conditionat', 350.00);

INSERT INTO A\_Service (IdService, IdAutoturism, DataIntrare, DataIesire, DescriereProblema, Cost)

VALUES

(7, 7, TO\_DATE('30-07-2022', 'DD-MM-YYYY'), TO\_DATE('01-08-2022', 'DD-MM-YYYY'), 'Problema la sistemul de directie', 400.00);

INSERT INTO A\_Service (IdService, IdAutoturism, DataIntrare, DataIesire, DescriereProblema, Cost)

VALUES

(8, 8, TO\_DATE('04-09-2022', 'DD-MM-YYYY'), TO\_DATE('06-09-2022', 'DD-MM-YYYY'), 'Problema la sistemul de franare', 450.00);

INSERT INTO A\_Service (IdService, IdAutoturism, DataIntrare, DataIesire, DescriereProblema, Cost)

VALUES

(9, 9, TO\_DATE('09-10-2022', 'DD-MM-YYYY'), TO\_DATE('11-10-2022', 'DD-MM-YYYY'), 'Problema la sistemul de injectie', 500.00);

INSERT INTO A\_Service (IdService, IdAutoturism, DataIntrare, DataIesire, DescriereProblema, Cost)

VALUES

(10, 10, TO\_DATE('14-11-2022', 'DD-MM-YYYY'), TO\_DATE('16-11-2022', 'DD-MM-YYYY'), 'Problema la sistemul de racire', 550.00);

-- A\_ASIGURARE

INSERT INTO A\_Asigurari (IdAsigurare, IdAutoturism, DataInceput, DataSfarsit, SumaAsigurata)

VALUES

(1, 1, '02-02-2022', '30-12-2023', 800.00);

INSERT INTO A\_Asigurari (IdAsigurare, IdAutoturism, DataInceput, DataSfarsit, SumaAsigurata)

VALUES

(2, 2,'05-02-2022', '04-02-2023', 1000.00);

INSERT INTO A\_Asigurari (IdAsigurare, IdAutoturism, DataInceput, DataSfarsit, SumaAsigurata)

VALUES

(3, 3, '10-03-2022','09-03-2023', 1000.00);

INSERT INTO A\_Asigurari (IdAsigurare, IdAutoturism, DataInceput, DataSfarsit, SumaAsigurata)

VALUES

(4, 4, '15-04-2022','14-04-2023', 1000.00);

INSERT INTO A\_Asigurari (IdAsigurare, IdAutoturism, DataInceput, DataSfarsit, SumaAsigurata)

VALUES

(5, 5, '20-05-2022', '19-05-2023', 1000.00);

INSERT INTO A\_Asigurari (IdAsigurare, IdAutoturism, DataInceput, DataSfarsit, SumaAsigurata)

VALUES

(6, 6, '25-06-2022', '24-06-2023', 1000.00);

INSERT INTO A\_Asigurari (IdAsigurare, IdAutoturism, DataInceput, DataSfarsit, SumaAsigurata)

VALUES

(7, 7,'30-07-2022', '29-07-2023', 1000.00);

INSERT INTO A\_Asigurari (IdAsigurare, IdAutoturism, DataInceput, DataSfarsit, SumaAsigurata)

VALUES

(8, 8, '04-09-2022', '03-09-2023', 1020.00);

INSERT INTO A\_Asigurari (IdAsigurare, IdAutoturism, DataInceput, DataSfarsit, SumaAsigurata)

VALUES

(9, 9, '09-10-2022', '08-10-2023', 100.00);

INSERT INTO A\_Asigurari (IdAsigurare, IdAutoturism, DataInceput, DataSfarsit, SumaAsigurata)

VALUES

(10, 10, '14-11-2022','13-11-2023' , 700.00);