

```
CREATE TABLE Manufacturer (
    id INTEGER NOT NULL IDENTITY ,
    ManufacturerName VARCHAR(45) NOT NULL ,
    PRIMARY KEY(id));
GO
```

```
CREATE TABLE VehicleType (
    id INTEGER NOT NULL IDENTITY ,
    VehicleTypeName VARCHAR(45) ,
    PRIMARY KEY(id));
GO
```

```
CREATE TABLE ClientType (
    id INTEGER NOT NULL IDENTITY ,
    ClientTypeName VARCHAR(255) NOT NULL ,
    PRIMARY KEY(id));
GO
```

```
CREATE TABLE Tariff (
    id INTEGER NOT NULL IDENTITY ,
    TariffName VARCHAR(20) NOT NULL ,
    TariffRate FLOAT NOT NULL ,
    PRIMARY KEY(id));
GO
```

```
CREATE TABLE StaffType (
    id INTEGER NOT NULL IDENTITY ,
    StaffTypeName VARCHAR(20) NOT NULL ,
    PRIMARY KEY(id));
GO
```

```
CREATE TABLE Staff (
    id INTEGER NOT NULL IDENTITY ,
    StaffType_id INTEGER NOT NULL ,
    StaffRef VARCHAR(20) ,
    StaffForename VARCHAR(45) NOT NULL ,
    StaffSurname VARCHAR(255) NOT NULL ,
    Extension INTEGER ,
    PRIMARY KEY(id) ,
    FOREIGN KEY(StaffType_id)
    REFERENCES StaffType(id));
GO
```

```
CREATE INDEX Staff_FKIndex1 ON Staff (StaffType_id);
GO
```

```
CREATE INDEX IFK_StaffRole ON Staff (StaffType_id);
GO
```

```
CREATE TABLE Client (
    id INTEGER NOT NULL IDENTITY ,
    ClientType_id INTEGER NOT NULL ,
    ClientForename VARCHAR(45) NOT NULL ,
```

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ClientSurname VARCHAR(255) NOT NULL ,
AccountNumber VARCHAR(20) NOT NULL ,
MobilePhone VARCHAR(20) ,
PRIMARY KEY(id) ,
FOREIGN KEY(ClientType_id)
REFERENCES ClientType(id));
GO

CREATE INDEX Client_FKIndex1 ON Client (ClientType_id);
GO

CREATE INDEX IFK_ClientStatus ON Client (ClientType_id);
GO

CREATE TABLE ClientAddress (
    id INTEGER NOT NULL IDENTITY ,
    Client_id INTEGER NOT NULL ,
    Address1 VARCHAR(255) ,
    Address2 VARCHAR(255) ,
    Town VARCHAR(255) ,
    County VARCHAR(255) ,
    Postcode VARCHAR(10) ,
    Landline VARCHAR(20) ,
    PRIMARY KEY(id) ,
    FOREIGN KEY(Client_id)
    REFERENCES Client(id));
GO

CREATE INDEX ClientAddress_FKIndex1 ON ClientAddress (Client_id);
GO

CREATE INDEX IFK_ClientLocation ON ClientAddress (Client_id);
GO

CREATE TABLE Model (
    id INTEGER NOT NULL IDENTITY ,
    Manufacturer_id INTEGER NOT NULL ,
    ModelName VARCHAR(255) NOT NULL ,
    PRIMARY KEY(id) ,
    FOREIGN KEY(Manufacturer_id)
    REFERENCES Manufacturer(id));
GO

CREATE INDEX Model_FKIndex1 ON Model (Manufacturer_id);
GO

CREATE INDEX IFK_Makes ON Model (Manufacturer_id);
GO

CREATE TABLE Vehicle (
    id INTEGER NOT NULL IDENTITY ,
    VehicleType_id INTEGER NOT NULL ,
    Model_id INTEGER NOT NULL ,
    Registration VARCHAR(20) NOT NULL ,
    DateOnFleet DATE ,
    Gearbox VARCHAR(20) ,
    MaxLadenWeight VARCHAR(20) ,
    PRIMARY KEY(id) ,
    FOREIGN KEY(Model_id)
    REFERENCES Model(id) ,
    FOREIGN KEY(VehicleType_id)
    REFERENCES VehicleType(id));
```

GO

CREATE INDEX Vehicle_FKIndex1 ON Vehicle (Model_id);

GO

CREATE INDEX Vehicle_FKIndex2 ON Vehicle (VehicleType_id);

GO

CREATE INDEX IFK_ModelVehicle ON Vehicle (Model_id);

GO

CREATE INDEX IFK_TypeOfVehicle ON Vehicle (VehicleType_id);

GO

```
CREATE TABLE Rental (
    id INTEGER NOT NULL IDENTITY ,
    Tariff_id INTEGER NOT NULL ,
    Client_id INTEGER NOT NULL ,
    Staff_id INTEGER NOT NULL ,
    Vehicle_id INTEGER NOT NULL ,
    RentalDate DATE NOT NULL ,
    PeriodDays INTEGER NOT NULL ,
    PRIMARY KEY(id) ,
    FOREIGN KEY(Vehicle_id)
        REFERENCES Vehicle(id) ,
    FOREIGN KEY(Staff_id)
        REFERENCES Staff(id) ,
    FOREIGN KEY(Client_id)
        REFERENCES Client(id) ,
    FOREIGN KEY(Tariff_id)
        REFERENCES Tariff(id));
```

GO

CREATE INDEX Rental_FKIndex1 ON Rental (Vehicle_id);

GO

CREATE INDEX Rental_FKIndex2 ON Rental (Staff_id);

GO

CREATE INDEX Rental_FKIndex3 ON Rental (Client_id);

GO

CREATE INDEX Rental_FKIndex4 ON Rental (Tariff_id);

GO

CREATE INDEX IFK_VehicleRental ON Rental (Vehicle_id);

GO

CREATE INDEX IFK_StaffRental ON Rental (Staff_id);

GO

CREATE INDEX IFK_ClientRental ON Rental (Client_id);

GO

CREATE INDEX IFK_RentalRate ON Rental (Tariff_id);

GO