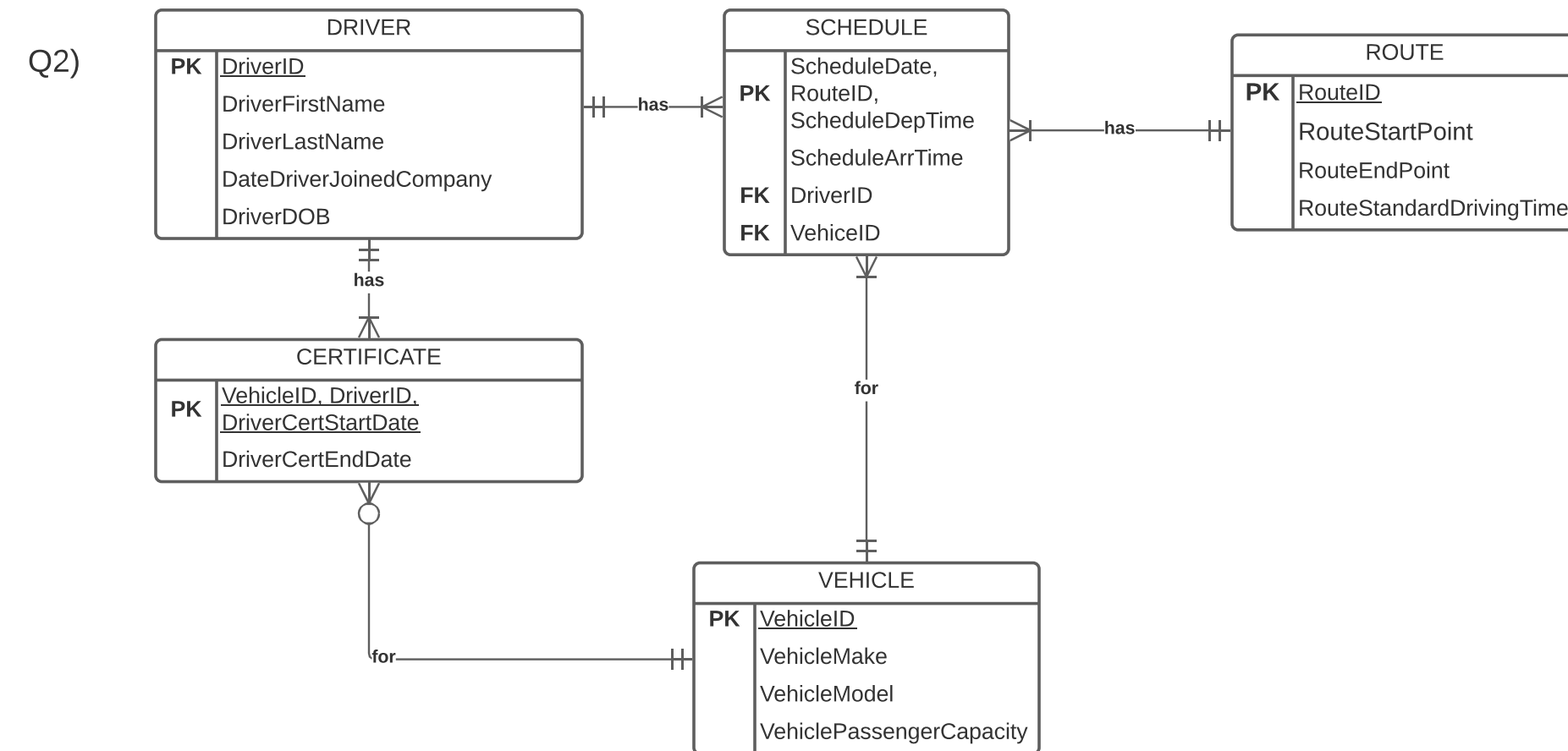


ROUTE(RouteID, RouteStartPoint, RouteEndPoint, RouteStandardDrivingTime)
 SCHEDULE(RouteID, ScheduleDate, ScheduledDepTime, ScheduledArrTime, DriverID, VehicleID)
 VEHICLE(VehicleID, VehicleMake, VehicleModel, VehiclePassengerCapacity)
 DRIVER(DriverID, DriverFirstName, DriverLastName, DateDriverJoinedCompany, DriverDOB)
 CERTIFICATION(VehicleID, DriverID, DriverCertStartDate, DriverCertEndDate)



```
CREATE TABLE Route
(RouteID INT(2) NOT NULL,
RouteStartPoint VARCHAR(25),
RouteEndPoint VARCHAR(25) ,
RouteStandardDrivingTime INT(2) ,
CONSTRAINT Route_PK PRIMARY KEY (RouteID));
```

```
CREATE TABLE Vehicle
(VehicleID INT(4) NOT NULL,
VehicleMake ENUM('Great Trucks', 'Power Transport') NOT NULL,
VehicleModel ENUM('City Coach', 'City Coach2', 'MidiBus') NOT NULL,
CONSTRAINT Vehicle_PK PRIMARY KEY (VehicleID));
```

```
CREATE TABLE Driver
(DriverID INT(4) NOT NULL,
DriverFirstName VARCHAR(25),
DriverLastName VARCHAR(25),
DateDriverJoinedCompany DATE,
DriverDOB DATE,
CONSTRAINT Driver_PK PRIMARY KEY (DriverID));
```

```
CREATE TABLE Schedule
(RouteID INT(2) NOT NULL
ScheduleDate DATE NOT NULL,
ScheduledDepTime TIME NOT NULL,
ScheduledArrTime TIME NOT NULL,
DriverID INT(4) NOT NULL,
```

```
VehicleID INT(4) NOT NULL,  
CONSTRAINT Schedule_PK PRIMARY KEY (RouteID, ScheduleDate, ScheduledDepTime),  
CONSTRAINT Schedule_FK1 FOREIGN KEY(RouteID) REFERENCES Route(RouteID),  
CONSTRAINT Schedule_FK2 FOREIGN KEY(DriverID) REFERENCES Driver(DriverID),  
CONSTRAINT Schedule_FK3 FOREIGN KEY(VehicleID) REFERENCES Vehicle(VehicleID));
```

```
CREATE TABLE Certificate  
(VehicleID INT(4) NOT NULL,  
DriverID INT(4) NOT NULL  
DriverCertStartDate DATE NOT NULL,  
DriverCertEndDate DATE,  
CONSTRAINT Certificate_PK PRIMARY KEY(VehicleID, DriverID,DriverCertStartDate)  
CONSTRAINT Certificate_FK1 FOREIGN KEY(VehicleID) REFERENCES Vehicle(VehicleID),  
CONSTRAINT Certificate_FK2 FOREIGN KEY(DriverID) REFERENCES Driver(DriverID));
```

```
INSERT INTO Route (RouteID, RouteStartPoint, RouteEndPoint, RouteStandradDrivingTime)  
VALUES ('28', 'Grand Avenue', 'Maddison St','38');
```

```
INSERT INTO Driver (DriverID, DriverFirstName, DriverLastName, DateDriverJoinedCompany,  
DriverDOB)  
VALUES ('8273', 'Mary ','Smith', '2007-05-02', '1974-03-23')  
VALUES ('7234' 'John',' Jones', '2011-10-12', '1991-12-15')  
VALUES ('2343', 'Pat', 'More','1982-02-24','1958-01-19');
```

```
INSERT INTO Vehicle (VehicleID, VehicleMake, VehicleModel, VehiclePassengerCapacity)  
VALUES ('1123', 'GreatTrucks', 'CityCoach', '58')  
VALUES ('5673', 'GreatTrucks', 'CityCoach2', '62')
```

```
VALUES ('4323', 'PowerTransport', 'MidiBus', '32');
```

```
INSERT INTO Schedule (RouteID, ScheduleDate, ScheduledDepTime, ScheduledArrTime,  
DriverID, VehicleID)
```

```
VALUES ('38', '2012-09-12', '8:30', '9:18', '8273', '1123')
```

```
VALUES ('38', '2012-09-12', '9:30', '10:12', '7234', '5673')
```

```
VALUES ('38', '2012-09-12', '10:30', '11:08', '2343', '4323');
```

```
INSERT INTO Certificate (VehicleID, DriverID, DriverCertStartDate, DriverCertEndDate,)
```

```
VALUES ('1123', '8273', '2012-06-10', '2013-06-09')
```

```
VALUES ('5673', '7234', '2012-04-12', '2013-04-11')
```

```
VALUES ('4323', '2343', '2012-08-20', '2013-08-19',);
```