Order ID	Customer ID	Weight	Route ID	Date	Departure Time	Arrival Time	Invoice ID	Dispatcher ID
O000001	C00001	150	R00001	4/10/2025	8:00	10:00	I00001	E00001
O000002	C00002	100	R00002	4/11/2025	9:30	11:00	I00002	E00002
O000003	C00003	300	R00002	4/12/2025	7:00	8:45	I00003	E00003
O000004	C00004	220	R00004	4/13/2025	10:15	12:15	I00004	E00004
O000005	C00005	180	R00005	4/14/2025	6:45	8:00	I00005	E00005
O000006	C00006	250	R00006	4/15/2025	9:00	10:30	I00006	E00006
O000007	C00007	160	R00007	4/14/2025	7:30	9:00	I00007	E00007
O000008	C00008	200	R00002	4/17/2025	8:15	10:00	I00008	E00008
O000009	C00007	200	R00001	4/17/2025	9:15	10:00	I00009	E00008
O000010	C00002	100	R00002	4/10/2025	9:30	21:00	I00010	E00002
O000011	C00004	100	R00002	4/13/2025	9:30	21:00	I00011	E00002
O000012	C00005	180	R00002	4/14/2025	6:45	8:00	I00012	E00005
O000013	C00006	250	R00002	4/15/2025	9:00	10:30	I00013	E00006

OrderTable

```
CREATE TABLE ORDERTABLE (
    orderId CHAR(6) PRIMARY KEY,
    customerId CHAR(6) NOT NULL,
    weight NUMBER,
    routeId CHAR(6) NOT NULL,
    orderDate DATE,
    departureTime CHAR(5),
    arrivalTime CHAR(5),
    invoiceId CHAR(6) NOT NULL,
    dispatcherId CHAR(6),
    FOREIGN KEY (dispatcherId) REFERENCES EMPLOYEETABLE(employeeId)
        ON DELETE CASCADE,
    FOREIGN KEY (routeId) REFERENCES ROUTETABLE(routeId)
        ON DELETE CASCADE,
    FOREIGN KEY (invoiceId) REFERENCES INVOICETABLE(invoiceId)
        ON DELETE CASCADE,
    FOREIGN KEY (customerId) REFERENCES CUSTOMERTABLE(customerId)
        ON DELETE CASCADE
)
```

Route ID	Origin	Destination	Distance
R00001	49.2827, –123.1207	49.1666, –123.1336	12.5
R00002	49.2488, –122.9805	49.2820, –122.7932	18.3
R00003	49.1044, –122.8011	49.1044, –122.6603	22
R00004	49.1666, –123.1336	49.2609, –123.1139	13.2
R00005	49.2820, –122.7932	49.2327, –123.0036	19.1
R00006	49.1044, –122.6603	49.2827, –123.1207	25.4
R00007	49.2609, –123.1139	49.2488, –122.9805	30.6
R00008	49.2327, –123.0036	49.1044, –122.8011	17.8
R00009	49.2820, –122.7932	49.2820, –122.7932	21

RouteTable

```
CREATE TABLE ROUTETABLE (
    routeId CHAR(6) PRIMARY KEY,
    origin VARCHAR2(70) NOT NULL,
    destination VARCHAR2(70) NOT NULL,
    distance NUMBER,
    FOREIGN KEY (origin) REFERENCES LOCATIONTABLE(coordinate)
        ON DELETE CASCADE,
    FOREIGN KEY (destination) REFERENCES LOCATIONTABLE(coordinate)
        ON DELETE CASCADE
)
```

Coordinate	City	Address	Capacity	Trucks Parked	Close Time	Open Time
49.2827, –123.1207	Vancouver	123 Garage Lane	20	5		
49.2488, –122.9805	Burnaby	456 Truck Stop	30	10		
49.1044, –122.8011	Surrey	789 Depot Dr	25	7		
49.1666, –123.1336	Richmond	101 Office St			18:00	8:00
49.2820, –122.7932	Coquitlam	202 Admin Ave			20:00	9:00
49.1044, –122.6603	Langley	303 Dispatch Blvd			22:00	7:00
49.2609, –123.1139	Vancouver	404 Multi–use Site	40	15	23:00	6:00
49.2327, –123.0036	Burnaby	505 Combo Hub	35	12	21:00	7:30

LocationTable

```
CREATE TABLE LOCATIONTABLE (
    coordinate VARCHAR2(70) PRIMARY KEY,
    city VARCHAR2(20),
    address VARCHAR2(70) NOT NULL,
    capacity INT,
    trucksParked INT,
    closeTime CHAR(5),
    openTime CHAR(5)
)
```

Invoice ID	Issue Date	Status
I00001	4/1/2025	P
I00002	4/2/2025	U
I00003	4/3/2025	P
I00004	4/4/2025	U
I00005	4/5/2025	P
I00006	4/6/2025	U
I00007	4/7/2025	P
I00008	4/8/2025	P
I00009	4/10/2025	P
I00010	4/10/2025	P
I00011	4/10/2025	P
I00012	4/10/2025	P
I00013	4/10/2025	P
I00014	4/11/2025	P
I00015	4/12/2025	u

InvoiceTable

I00016	4/13/2025	U
I00017	4/14/2025	P

CREATE TABLE INVOICETABLE (
    invoiceId CHAR(6) PRIMARY KEY,
    issueDate DATE,
    status CHAR(1)
)

Customer ID	Phone Number	Email	Name
C00001	604–123–4567	alice@gmail.com	Alice
C00002	604–234–5678	bob@gmail.com	Bob
C00003	604–345–6789	carol@gmail.com	Carol
C00004	604–456–7890	dave@gmail.com	Dave
C00005	604–567–8901	eve@gmail.com	Eve
C00006	604–678–9012	frank@gmail.com	Frank
C00007	604–789–0123	grace@gmail.com	Grace
C00008	604–890–1234	heidi@gmail.com	Heidi

CustomerTable

CREATE TABLE CUSTOMERTABLE (
    customerId CHAR(6) PRIMARY KEY,
    phoneNumber CHAR(12),
    email VARCHAR2(70),
    name VARCHAR2(25) NOT NULL
)

Employee ID	SIN	Phone Number	Email	Work Location
E00001	123456789	604–123–4567	emma@gmail.com	49.2827, –123.1207
E00002	987654321	604–234–5678	oliver@gmail.com	49.2827, –123.1207
E00003	111223333	604–345–6789	ava@gmail.com	49.2488, –122.9805
E00004	444556666	604–456–7890	liam@gmail.com	49.2488, –122.9805
E00005	777889999	604–567–8901	sophia@gmail.com	49.2609, –123.1139
E00006	222334444	604–678–9012	jack@gmail.com	49.1044, –122.6603
E00007	555667777	604–789–0123	mia@gmail.com	49.2609, –123.1139
E00008	888990000	604–890–1234	noah@gmail.com	49.1044, –122.6603
E00009	101010101	604–101–0101	isabella@gmail.com	49.2827, –123.1207
E00010	202020202	604–202–0202	jacob@gmail.com	49.2488, –122.9805
E00011	303030303	604–303–0303	lily@gmail.com	49.2609, –123.1139
E00012	404040404	604–404–0404	ethan@gmail.com	49.1044, –122.6603
E00013	505050505	604–505–0505	amelia@gmail.com	49.2827, –123.1207

EmployeeTable

		604– 606– 0606	logan@gm ail.com	49.2488, –122.9805
E00014	606060606	604– 606– 0606	logan@gm ail.com	49.2488, –122.9805
E00015	707070707	604– 707– 0707	ava. j@gmail. com	49.2609, –123.1139
E00016	808080808	604– 808– 0808	lucas@gm ail.com	49.1044, –122.6603

```
CREATE TABLE EMPLOYEETABLE(
    employeeId CHAR(6) PRIMARY KEY,
    sin CHAR(9) UNIQUE,
    phoneNumber CHAR(12),
    email VARCHAR2(30),
    workLocation VARCHAR2(70),
    FOREIGN KEY (workLocation) REFERENCES LOCATIONTABLE(coordinate)
        ON DELETE SET NULL
)
```

Employe e ID	License ID	Hours Driven
E00009	1234567	1200
E00010	2345678	800
E00011	3456789	2100
E00012	4567890	950
E00013	5678901	1450
E00014	6789012	1020
E00015	7890123	700
E00016	8901234	1600

DriverTable

```
CREATE TABLE DRIVERTABLE(
    employeeId CHAR(6) PRIMARY KEY,
    licenseId CHAR(8) UNIQUE,
    hoursDriven NUMBER,
    FOREIGN KEY (employeeId) REFERENCES EMPLOYEETABLE(employeeId)
        ON DELETE CASCADE
)
```

Plate Number	Model	Mileage	Status	Parked At
TK0001	Freight	120000	P	49.2827, –123.1207
TK0002	Kenworth	95000	D	49.2488, –122.9805
TK0003	Volvo	87500	P	49.2609, –123.1139
TK0004	Mack	140000	P	49.1044, –122.6603
TK0005	Peterbilt	60000	D	49.2827, –123.1207
TK0006	Western	73000	P	49.2488, –122.9805
TK0007	Freight	102000	D	49.2609, –123.1139
TK0008	Kenworth	89000	P	49.1044, –122.6603

TruckTable

```
CREATE TABLE TRUCKTABLE(
    plateNumber CHAR(6) PRIMARY KEY,
    model VARCHAR2(10),
    mileage INT,
    status CHAR(1),
    parkedAt VARCHAR2(30),
    FOREIGN KEY (parkedAt) REFERENCES LOCATIONTABLE(coordinate)
        ON DELETE SET NULL
)
```

Plate Number	Employee ID
TK0001	E00009
TK0002	E00010
TK0003	E00011
TK0004	E00012
TK0005	E00013
TK0006	E00014
TK0007	E00015
TK0008	E00016

DriverDrivesTable

```
CREATE TABLE DRIVERDRIVESTABLE(
     plateNumber CHAR(6),
     employeeId CHAR(6),
     CONSTRAINT PK_Drives PRIMARY KEY (plateNumber,employeeId),
     FOREIGN KEY (plateNumber) REFERENCES TRUCKTABLE(plateNumber)
        ON DELETE SET NULL,
     FOREIGN KEY (employeeId) REFERENCES EMPLOYEETABLE(employeeId)
        ON DELETE SET NULL
   )
```

Plate Number	Employee ID	Order ID
TK0001	E00009	O00001
TK0002	E00010	O00002
TK0003	E00011	O00003
TK0004	E00012	O00004
TK0005	E00013	O00005
TK0006	E00014	O00006
TK0007	E00015	O00007
TK0008	E00016	O00008

AssignedTable

```
CREATE TABLE ASSIGNEDTABLE(
     plateNumber CHAR(6),
     employeeId CHAR(6),
     orderId CHAR(6),
     CONSTRAINT PK_Assigned PRIMARY KEY (plateNumber,employeeId,orderId),
     FOREIGN KEY (plateNumber, employeeId) REFERENCES DRIVERDRIVESTABLE(plateNumber,
employeeId)
        ON DELETE SET NULL,
     FOREIGN KEY (orderId) REFERENCES ORDERTABLE(orderId)
        ON DELETE CASCADE
   )
```

Employee ID	Dispatcher ID
E00001	D00001
E00002	D00002
E00003	D00003
E00004	D00004
E00005	D00005
E00006	D00006
E00007	D00007
E00008	D00008

DispatcherTable

```
CREATE TABLE DISPATCHERTABLE(
    employeeId CHAR(6) PRIMARY KEY,
    dispatcherId CHAR(6) UNIQUE,
    FOREIGN KEY (employeeId) REFERENCES EMPLOYEETABLE(employeeId)
      ON DELETE CASCADE
  )
```