**Step 3 Part B: Queries**

**Name: Vaishnavi Pravin Apsingkar**

**NN: 142**

1. **List the TripID and Expense Number for Road Expenses.**

**Query:**

SELECT TripID, ExpenseNumber

FROM Expense

WHERE ExpenseType = 'R';

**Output:**

TripID ExpenseNumber

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T002 2

T003 2

T004 2

T012 2

1. rows affected)
2. **List the drivers who started working in 2021 and their salaries**

**Query:**

SELECT DriverID, Name, Salary

FROM Driver

WHERE YEAR(StartDate) = 2021;

**Output:**

DriverID Name Salary

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D101 Bill Green 65200.00

D102 Bob Jones 66100.00

D110 Ann Black 65200.00

D225 John Dough 58000.00

(4 rows affected)

1. **How many drivers are there?**

**Case 1: Total number of drivers**

**Query:**

SELECT DISTINCT COUNT(DriverID) AS TotalDriversCount

FROM Driver;

**Output:**

TotalDriversCount

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9

(1 row affected)

**Case 2: Total number of drivers who started working in 2021**

**Query:**

SELECT Count(DriverID) AS DriverCount

FROM Driver

WHERE YEAR(StartDate) = 2021;

**Output:**

DriverCount

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4

(1 row affected)

1. **Who has driven which truck?**

**Query:**

SELECT DISTINCT d.Driver, d.Name AS DriverName, t.TruckID, t.Description AS TruckDesc

FROM Trip tr

JOIN Driver d ON tr.DriverID = d.DriverID

JOIN Truck t ON tr.TruckID = t.TruckID;

**Output:**

DriverID DriverName TruckID TruckDesc

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D280 Gail Brown B-001 Chev Box

D301 Mark White B-001 Chev Box

D101 Bill Green B-017 Ford Box

D301 Mark White B-017 Ford Box

D107 Dave White B-018 Ford Box

D302 Bob Jones B-018 Ford Box

D142 Vaishnavi Apsingkar B-019 Ford Box

D102 Bob Jones S-001 Volvo Semi

D110 Ann Black S-002 Peterbuilt

D225 John Dough S-017 Kenworth

(10 rows affected)

1. **List the living expenses for Bob Jones.**

**Query:**

SELECT d.DriverID, d.Name, l.TripID, l.ExpenseNumber, l.Description, l.Amount AS LivingExpenses

FROM LivingExpenses l

JOIN Expense e ON l.TripID = e.TripID AND l.ExpenseNumber = e.ExpenseNumber

JOIN Trip t ON e.TripID = t.TripID

JOIN Driver d ON t.DriverID = d.DriverID

WHERE d.Name = 'Bob Jones';

**Output:**

DriverID Name TripID ExpenseNumber Description LivingExpenses

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D102 Bob Jones T003 1 Lunch 6.16

D102 Bob Jones T003 3 Dinner 22.03

D302 Bob Jones T011 1 Lunch 9.23

(3 rows affected)