1. # RTO:

Branch_ID	→	Branch_Name	(BCNF)
Branch_Name	→	Branch_ID	(BCNF)

   So, our relation is in BCNF

2. # Vehicle_Type:

Vehicle_Type_ID	→	Vehicle_Type_Name	(BCNF)
Vehicle_Type_Name	→	Vehicle_Type_ID	(BCNF)

   So, our relation is in BCNF

3. # Department:

   Department_ID   →   Department_Name (BCNF)

   Department_Name   →   Department_ID (BCNF)

   So, our relation is in BCNF

4. # Employee:

Employee_ID	→	Name	(BCNF)
Employee_ID	→	DOB	(BCNF)
Employee_ID	→	DOJ	(BCNF)
Employee_ID	→	Salary	(BCNF)
Employee_ID	→	Address	(BCNF)
Employee_ID	→	State	(BCNF)

Employee_ID	→	PAN_No	(BCNF)
Employee_ID	→	Branch_ID	(BCNF)
Employee_ID	→	Dep_ID	(BCNF)

PAN_No	→	Employee_ID	(BCNF)
PAN_No	→	Name	(BCNF)
PAN_No	→	DOB	(BCNF)
PAN_No	→	DOJ	(BCNF)
PAN_No	→	Salary	(BCNF)
PAN_No	→	Address	(BCNF)
PAN_No	→	State	(BCNF)
PAN_No	→	Branch_ID	(BCNF)
PAN_No	→	Dep_ID	(BCNF)

So, our relation is in BCNF

5. Users:

ID_Proof	→	Name	(BCNF)
ID_Proof	→	Phone_No	(BCNF)
ID_Proof	→	DOB	(BCNF)
ID_Proof	→	Blood_group	(BCNF)
ID_Proof	→	Street	(BCNF)
ID_Proof	→	City	(BCNF)
ID_Proof	→	State	(BCNF)
ID_Proof	→	Username	(BCNF)
ID_Proof	→	Password	(BCNF)
ID_Proof	→	Branch_ID	(BCNF)

Username	→	ID_Proof	(BCNF)
Username	→	Name	(BCNF)
Username	→	Phone_No	(BCNF)
Username	→	DOB	(BCNF)
Username	→	Blood_group	(BCNF)
Username	→	Street	(BCNF)
Username	→	City	(BCNF)
Username	→	State	(BCNF)
Username	→	Password	(BCNF)
Username	→	Branch_ID	(BCNF)

So, our relation is in BCNF

6.   License_Type:

License_Type_ID   →   License_Type_Name (BCNF)

License_Type_Name   →   License_Type_ID (BCNF)

So, our relation is in BCNF

7.   License:

License_ID	→	Expiry_Date	(BCNF)
License_ID	→	Date_of_Issue	(BCNF)
License_ID	→	Branch_ID	(BCNF)

License_ID → **Emp_ID** (BCNF)

License_ID → **ID_Proof** (BCNF)

License_ID → **License_Type_ID** (BCNF)

Emp_ID → **Branch_ID** 2NF

ID_Proof → **Branch_ID** 2NF

We already have relation **(Emp_ID** → Branch_ID) as we can access Branch_ID from Emp_ID using Employee Table.

We already have relation **(ID_Proof** → Branch_ID) as we can access Branch_ID from ID_Proof using Users Table.
So, we will remove Branch_ID attribute from this table.

So, our relation is in BCNF

8. LV_Association:

{License_ID,Vehicle_Type_ID} → **License_ID** (BCNF)

{License_ID,Vehicle_Type_ID} → **Vehicle_Type_ID** (BCNF)

So, our relation is in BCNF

9. Permit:

Permit_ID → **Company_Name** (BCNF)

Permit_ID → **Company_Address** (BCNF)

Permit_ID → **Date_Of_Issue** (BCNF)

Permit_ID	→	Expiry_Date	(BCNF)
Permit_ID	→	Weight_Limit	(BCNF)
Permit_ID	→	Branch_ID	(BCNF)
Permit_ID	→	Emp_ID	(BCNF)
Permit_ID	→	ID_Proof	(BCNF)

Emp_ID	→	Branch_ID	2NF
ID_Proof	→	Branch_ID	2NF

We already have relation **(Emp_ID → Branch_ID)** as we can access Branch_ID from Emp_ID using Employee Table.

We already have relation **(ID_Proof → Branch_ID)** as we can access Branch_ID from ID_Proof using Users Table.
So, we will remove Branch_ID attribute from this table.

So, our relation is in BCNF

10. Vehicle:

Chassis_No	→	Model	(BCNF)
Chassis_No	→	Color	(BCNF)
Chassis_No	→	Fuel_Type	(BCNF)
Chassis_No	→	Vehicle_Type_ID	(BCNF)

So, our relation is in BCNF

11. Carnet:

Carnet_ID	→	Expiry_Date	(BCNF)
Carnet_ID	→	Date_Of_Issue	(BCNF)
Carnet_ID	→	Branch_ID	(BCNF)
Carnet_ID	→	Emp_ID	(BCNF)
Carnet_ID	→	ID_Proof	(BCNF)
Carnet_ID	→	Chassis_No	(BCNF)

Chassis_No	→	Carnet_ID	(BCNF)
Chassis_No	→	Expiry_Date	(BCNF)
Chassis_No	→	Date_Of_Issue	(BCNF)
Chassis_No	→	Branch_ID	(BCNF)
Chassis_No	→	Emp_ID	(BCNF)
Chassis_No	→	ID_Proof	(BCNF)

Emp_ID	→	Branch_ID	2NF
ID_Proof	→	Branch_ID	2NF

We already have relation **(Emp_ID → Branch_ID)** as we can access Branch_ID from Emp_ID using Employee Table.

We already have relation **(ID_Proof → Branch_ID)** as we can access Branch_ID from ID_Proof using Users Table.
So, we will remove Branch_ID attribute from this table.

So, our relation is in BCNF

12. RC_Book:

Reg_No→ Expiry_Date (BCNF)

Reg_No→ Date_Of_Reg (BCNF)

Reg_No→ Branch_ID (BCNF)

Reg_No→ Chassis_No (BCNF)

Reg_No→ Emp_ID (BCNF)

Reg_No→ ID_Proof (BCNF)

Chassis_no → Expiry_Date (BCNF)

Chassis_no → Date_Of_Reg (BCNF)

Chassis_no → Reg_No (BCNF)

Chassis_no → Branch_ID (BCNF)

Chassis_no → Emp_ID (BCNF)

Chassis_no → ID_Proof (BCNF)

Emp_ID→ Branch_ID 2NF

ID_Proof → Branch_ID 2NF

We already have relation **(Emp_ID → Branch_ID)** as we can access Branch_ID from Emp_ID using Employee Table.

We already have relation **(ID_Proof → Branch_ID)** as we can access Branch_ID from ID_Proof using Users Table.
So, we will remove Branch_ID attribute from this table.

So, our relation is in BCNF

13. Insurance:

Policy_ID   →   Holder_name   (BCNF)

Policy_ID   →   Date_Of_Issue   (BCNF)

Policy_ID   →   Tenure   (BCNF)

Policy_ID   →   Chassis_No   (BCNF)

Chassis_No   →   Policy_ID   (BCNF)

Chassis_No   →   Holder_name   (BCNF)

Chassis_No   →   Date_Of_Issue   (BCNF)

Chassis_No   →   Tenure   (BCNF)

So, our relation is in BCNF