

## Functional Dependencies(FDs)

### 1.Customer

$\text{Customer\_id} \rightarrow \{\text{fname}, \text{surname}, \text{gender}, \text{age}, \text{house\_no}, \text{street\_no}, \text{PIN}\}$

Key : {customer\_id}

BCNF

### 2.Vehicle

$\text{vid} \rightarrow \{\text{vehicle\_name}, \text{cost\_per\_km}, \text{driver\_id}, \text{availability}, \text{rating}\}$

$\text{driver\_id} \rightarrow \{\text{vid}\}$

key: {vid} and {driver\_id}

BCNF

### 3.PIN

$\text{pin} \rightarrow \{\text{city}, \text{state}\}$

key : {pin}

### 4.Bill

$\text{Bill\_id} \rightarrow \{\text{discount\_id}, \text{total\_amount}, \text{customer\_id}, \text{vehicle\_id}, \text{booking\_no}\}$

$\text{booking\_no} \rightarrow \{\text{bill\_id}\}$

key: {bill\_id} and {booking\_no}

BCNF

### 5.Discount

$\text{Discount\_id} \rightarrow \{\text{discount\_amount}\}$

Key:{discount\_id}

BCNF

## **6.Employee**

eid→{fname,surname,sex,salary,bid,dno}

key:{eid}

BCNF

## **7.Department**

dno→{dname}

key:dno

BCNF

## **8.Branch**

Branch\_id→{branch\_name,mgrssn,streetno,pin}

mgrssn→{branch\_id}

key:{branch\_id} and {mgrssn}

BCNF

## **9.Booking**

Booking\_no→{cid,vid,booking\_date,booking\_time,source\_pin,destination,pin}

Key:{booking\_no}

BCNF