1.Design a Data Warehouse for IPL Cricket Tournament (Asked in Flipkart Interview for Senior Data Engineer role)

# Stadium(dim)

**Venue(dim)**

Stadium\_id(pk) City\_id City\_name Stadium fees

# Result (Fact)

Venue\_id(pk) Stadium\_id(fk) Team\_id(fk) Event\_type Team\_name

Match\_date

**TEAM(dim)**

Result\_id(pk) Venue\_id(fk) Loser\_name Winner\_name Winner\_prize\_money Loser\_prize\_money Sponsors\_id(fk)

# Board(dim)

Board\_name Sponsors\_id(pk) Sponsors\_name Sponsorship\_money

**Ticket(Fact)**

Team\_id(pk) Team\_Name Team\_owner Team\_captain

Coach\_Name

# Player(dim)

Ticket\_price Ticket\_price Ticket\_type Venue\_id (fk) Total\_ticket Ticket\_sold

Player\_id(pk) Player\_name Team\_id(fk)

2.Design a Data Warehouse for Food delivery app like Swiggy, Zomato (Asked in Grab for Data Engineer role)

Shop order Delivery\_partner

Delivery\_partner\_name Delivery\_partner\_id(pk) Salary

Deliyary\_partner

Food\_item Location

**uu**

Shop\_id(pk) Shop\_name discount

User\_id (fk) User\_name Order\_id(pk) Food\_id(fk) Food\_name Shop\_id(fk) Shop\_name Food\_cost

Delivery\_partener\_id(fk) Location\_id(fk)

Food\_name Food\_id(pk) Food\_price Food\_descriptin Shop\_id(fk)

Location \_id(pk) Location name Location pincode

User

User\_id(pk) User\_name

3. Design a Data Warehouse for cab ride service like Uber, Lyft (Asked in Google for Data

Engineer role)

Rider Bookmark Location

payment

Rider

Trip

Driver

Cab

Payment

Cab\_id(pk) Reg\_no Brand Model Type Base\_rate

Payment\_id(pk) Type

Base\_amt Tax

Payment\_amt Payment\_time Card\_no Transaction\_id

Trip\_id(pk) Rider\_id(fk) Cab\_id(fk) location\_id(fk) Request\_time Trip\_Start\_time Trip\_end\_time Trip\_wait\_time Payment\_id(fk) Rider\_rating Driver\_rating

Rider\_id(pk) Name Joined\_date Country Phone Gender

Dob

Current\_payment\_typ e

Curr\_payment\_acc

Location\_id(pk) Map\_grid\_id(fk) Landmark\_name Zip\_code

Id(pk) Rider\_id(fk) Bookmark\_tag Bookmark\_loc\_id

Map\_grid

Map\_grid\_id(p k)

Longitude magnitude

Driver\_id(pk) Name Cab\_id(fk)

Snowflake\_architecture

# 4.Design a Data Warehouse for Restaurent table booking app like Dineout(Asked in McKinsey for Consultant Data Engineer role)

**Customer reservation restaurant**

Payment

Payment\_id(pk) Restaurant\_id(fk) Reservation\_fees Reservation\_id(fk)

Reservation\_id(pk) Restaurant\_id(fk) Customer\_name Customer\_id(fk) Reservation\_fess

Entry\_time

Restaurant\_name Restaurant\_id(pk) Location No\_of\_seat

Customer\_id(pk) Customer\_name Email

adress

# 5 . Design a Data Warehouse for Covid Vaccination Application (Asked in Livsapce for Data Engineer role)

Vaccination\_slot

User vaccinestore

Vaccin\_id(pk) Vaccina\_name Total\_jab

User\_id(fk) Username Adhar\_no location Vaccin\_id(fk) Vaccina\_name Hospital\_id(fk) Hospital\_name Vaccination\_slot

payment

Payment id(pk) Payment amount Jab type User\_id(fk)

User\_id(pk) Username Adhar\_no Location Vaccination status

hospital

Hospital\_id(pk) Hospital\_name Location Vaccin\_id(fk) Vaccin\_avilable slot

Snowflake architecture