Q1

```
1  π make_name,vehicle_id,model_name ( σ( year = '1986')  (Vehicle ⋈(Vehicle.fk_model_id = Model.model_id) Model ⋈
   (Vehicle.fk_make_id = Make.make_id) Make))
```

Q2

```
1  π make_name,vehicle_id,inventory_id,model_id (σ (Color.name = 'Bold Red') ((((Inventory ⋈( Inventory.fk_color_id =
   Color.color_id) Color) ⋈ ( Inventory.fk_vehicle_id = Vehicle.vehicle_id) Vehicle) ⋈ (Vehicle.fk_make_id = Make.make_id)
   Make) ⋈ (Vehicle.fk_model_id = Model.model_id) Model))
```

Q3

```
1  π make_name,model_name,inventory_id,amount (σ ( type = 'company') (((((Incentive ⋈ (incentive_id = fk_incentive_id)
   Vehicle_Incentive ⋈ (fk_vehicle_id = vehicle_id) Vehicle) ⋈ fk_make_id = make_id Make) ⋈ fk_model_id = model_id Model)
   ⋈ vehicle_id = fk_vehicle_id Inventory)))
```

Q4

```
1  π Player.id,Team.name,City.name (σ(Player.score=100 ∨ City.name = 'London') ((Player ⋈ team_id = Team.id Team) ⋈
   Team.city_id = City.id City))
```

Q5

```
                  from clause
1  select Make.make_name,Vehicle.vehicle_id,Model.model_name from Vehicle
2  inner join Make on Vehicle.fk_make_id = Make.make_id
3  inner join Model on Vehicle.fk_model_id = Model.model_id
4  where first_production_year = '1986'
```

Q6

```sql
select Make.make_name,Vehicle.vehicle_id,Inventory.inventory_id,Model.model_name from Inventory
inner join Color on Inventory.fk_color_id = Color.color_id
inner join Vehicle on Inventory.fk_vehicle_id = Vehicle.vehicle_id
inner join Model on Vehicle.fk_model_id = Model.model_id
inner join Make on Vehicle.fk_make_id = Make.make_id
where Color.name = 'Bold Red'
```

Q7

```sql
select Make.make_name,Model.model_name,Inventory.inventory_id,Incentive.amount from Incentive
inner join Vehicle_Incentive on Incentive.incentive_id = Vehicle_Incentive.fk_incentive_id
inner join Inventory on Vehicle_Incentive.fk_vehicle_id = Inventory.fk_vehicle_id
inner join Vehicle on Inventory.fk_vehicle_id = Vehicle.vehicle_id
inner join Model on Vehicle.fk_model_id = Model.model_id
inner join Make on Vehicle.fk_make_id = Make.make_id
where Incentive.type ='company'
```

Q8

```sql
SELECT Player.id, Team.name, City.name FROM Player
INNER JOIN Team On Player.team_id = Team.id
INNER JOIN City On Team.city_id = City.id
Where Player.score = 100 or City.name = 'London'
```