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Charlotte Murphy
CS 340 - 400
Assignment 3
Due March 5, 2017
1. \pi(Make.make_name, Model.model_name)
       \sigma (Vehicle.year = 1976)
               ((Model ⋈ (Model.model_id = Vehicle.fk_model_id)Vehicle) ⋈
                       (Vehicle.fk_make_id = Make.make_id)Make)
2. \pi(Make.make_name, Model.model_name)
       \sigma (Color.name = blue)
               ((((Model ⋈ (Model.model_id = Vehicle.fk_model_id)Vehicle) ⋈
                       (Vehicle.fk_make_id = Make.make_id)Make) ⋈
                       (Vehicle.vehicle_id = Inventory.fk_vehicle_id)Inventory) ⋈
                       (inventory.fk_color_id = Color.color_id)Color)
3. π(Make.make_name, Model.model_name, Incentive.amount)
       (\sigma (Incentive.type = dealer)
               ((((Model \bowtie (Model.model_id = Vehicle.fk_model_id)Vehicle) \bowtie
                       (Vehicle.fk_make_id = Make.make_id)Make) ⋈
                       (Vehicle_vehicle_id = Vehicle_Incentive.fk_vehicle_id)Vehicle_Incentive) ⋈
                       (Vehicle_incentive.fk_incentive_id = Incentive.incentive_id)Incentive))
4. \pi(Player.id, Team.name, City.name)
       (\sigma(Player.score = 100)
               ((Player \bowtie (Player.team_id = Team.id)Team) \bowtie
                       (Team.city_id = City.id)City))
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5. SELECT Make.make_name, Model.model_name, Incentive.amount FROM Model

INNER JOIN Vehicle ON Model.model_id = Vehicle.fk_model_id

INNER JOIN Make ON Vehicle.fk_make_id = Make.make_id

INNER JOIN Vehicle_Incentive ON Vehicle.vehicle_id = Vehicle_Incentive.fk_vehicle_id

INNER JOIN Incentive ON Vehicle_incentive.fk_incentive_id = Incentive.incentive_id

WHERE Incentive.type = "dealer";