Parking Lot System  
  
I’ll ask the interviewer

1. How big is this system? Approximately, how many are there?
2. Is this system a single floor parking lot or a multiple floor parking lot?
3. What types of vehicles can be parked? (Two-wheeler or four-wheeler)
4. How many spots for two-Wheeler and four wheeler,

I’ll imagine these are the answers:

1. 10000 spots
2. Single floor
3. Two types, a two-wheeler(5000 spots) and a four-wheeler(5000 spots)

How I’ll explain about my system.

I’ll create a class ParkingLotSystem. It will have the following objects:

Ill breakdown the parking lot system into following objects:

1. ParkingFloor()

Objects:

1)ParkingSpot

HashMap<ParkingSpotNumber,isAvailable> TwoWheeler

HashMap<ParkingSpotNumber,isAvailable> fourWheeler

Functions:

nextFreeSpot(TypeOfVehicle)

park()

unPark()