import java.util.\*; public class Main { public static void main(String args[]){ Scanner sc=new Scanner(System.in); System.out.println("Enter the number of vehicles"); int N=sc.nextInt(); Map<String,Double> vehicleMap=new HashMap<String, Double>(); VehicleUtility V=new VehicleUtility(); V.setVehicleMap(vehicleMap); for(int i=0;i<N;i++) { sc.nextLine(); System.out.println("Enter the vehicle name and price of Vehicle "+(i+1)); String name=sc.nextLine(); Double price=sc.nextDouble(); V.addVehiclePriceDetails(name,price); }char ans='Y'; while(ans=='Y') { sc.nextLine(); System.out.println("Enter the vehicle name to be searched"); String veh = sc.nextLine(); double amount=V.calculateCostAfterDiscount(veh); if(amount==0) { System.out.println(veh+" is not available currently"); }else { System.out.println("Price after discount for "+veh+" is "+amount); }System.out.println("Do you want to continue (Y/N)"); ans=sc.next().charAt(0); }System.out.println("Thank you for using the Application"); } }

import java.util.HashMap; import java.util.Map; public class VehicleUtility { private Map<String, Double> vehicleMap = new HashMap<String, Double>(); public Map<String, Double> getVehicleMap() { return vehicleMap; }public void setVehicleMap(Map<String, Double> vehicleMap) { this.vehicleMap = vehicleMap; }public void addVehiclePriceDetails(String vehicleName, double price) { Map<String, Double> vehiclemap=getVehicleMap(); vehiclemap.put(vehicleName,price);}public double calculateCostAfterDiscount(String vehicleName) { Map<String, Double> vehiclemap=getVehicleMap(); if(vehiclemap.containsKey(vehicleName)) { double price=vehiclemap.get(vehicleName); String arr[]=vehicleName.split(" "); if(arr[0].equals("TVS")) { return price\*0.90; }else if(arr[0].equals("Honda")){ return price\*0.95; }else{ return price\*0.93; } }else{ return 0; } } }