## 1.1P

```
public class VehicleHireApp {
    * @param args the command line arguments
    public static void main(String[] args) {
       ArrayList<Vehicle> vehicles = Init();
       String typeCode = args[0];
        System.out.println("\n\nList of vehicle of type " + typeCode);
        for (Vehicle vehicle : vehicles) {
            if (vehicle.getType().getCode().equals(typeCode)) {
                System.out.println(vehicle);
       }
        System.out.print(
               "\n It Will display a list of vehicles based on the vehicle type you choose \n"
               + "1: SEDAN \n"
               + "2: LIMO6 \n"
               + "3: LIMO 8 \n"
               + "4: Exit"
```

```
Integer state = 0;
Scanner s = new Scanner(System.in);
while (state != 4) {
   System.out.print("\n Please Select an option (1-4): ");
   state = s.nextInt();
   switch (state) {
       case 1:
           typeCode = "SEDAN";
           break;
       case 2:
           typeCode = "LIMO6";
           break;
        case 3:
           typeCode = "LIMO8";
           break;
        case 4:
           System.out.print("GoodBye");
           break;
        default:
         System.out.print("Invalid Input");
   for (Vehicle vehicle : vehicles) {
       if (vehicle.getType().getCode().equals(typeCode)) {
           System.out.println(vehicle);
   typeCode = "";
```

```
public static ArrayList<Vehicle> Init() {
           // Create the vehicle types
           VehicleType sedan = new VehicleType("SEDAN", "A standard sedan", 4);
           VehicleType limo6 = new VehicleType("LIMO6", "A six seater limo", 6);
VehicleType limo8 = new VehicleType("LIMO8", "An eight seater limo", 8);
   // Create the vehicles
           ArrayList<Vehicle> vehicles = new ArrayList();
           vehicles.add(new Vehicle("Ed's Holden Caprice", "Silver", sedan, 2002));
           vehicles.add(new Vehicle("John's Mercedes C200", "Black", sedan, 2005));
           vehicles.add(new Vehicle("Guy's Volvo 244 DL", "Blue", sedan, 1976));
           vehicles.add(new Vehicle("Sasco's Ford Limo", "White", limo6, 2014));
           vehicles.add(new Vehicle("Peter's Ford Limo", "White", limo6, 2004));
           vehicles.add(new Vehicle("Robert's Ford Limo", "White", limo8, 2003));
           System.out.println("\n\nList of vehicles in system:");
            for (Vehicle vehicle : vehicles) {
               System.out.println(vehicle);
           return vehicles;
```

