

# MAPS – AUTOPARTS

**Lab Goal :** This lab was designed to teach you how to use a Map.

**Lab Description :** Read in and organize a list of Parts. Parts are stored in PartList. PartList contains a Map of Parts.

Auto Parts are to be sorted using the following criteria ::

- 1<sup>st</sup> – Make
- 2<sup>nd</sup> – Model
- 3<sup>rd</sup> – Same models are to be sorted by year

## **Sample Data (read from partinfo.dat) :**

```
Water Pump 19934 Ford Taurus 1999
Air Filter 98765 Chevy Silverado 2002
Radiator 23102 Dodge Dakota 2001
Fuel Filter 19967 Ford Taurus 1999
Wiper Blades 12321 Chevy Camaro 2002
Water Pump 19912 Ford Expedition 1997
Water Pump 19934 Ford Taurus 1999
Air Filter 98765 Chevy Silverado 2002
```

### FILES NEEDED FOR THIS LAB

```
Part.java
PartList.java
PartRunner.java
partinfo.dat
```

## **Sample Output :**

```
Chevy Camaro 2002   Wiper Blades 12321 - 1
Chevy Silverado 2002   Air Filter 98765 - 2
Dodge Dakota 2001   Radiator 23102 - 1
Ford Expedition 1997   Water Pump 19912 - 1
Ford Taurus 1999   Fuel Filter 19967 - 1
Ford Taurus 1999   Water Pump 19934 - 2
```