```
public class Laptop {
    private String company, operatingSystem;
    private int bits;
    public Laptop(String company,String operatingSystem,int bits) {
        this.company = company;
        this.operatingSystem = operatingSystem;
        this.bits = bits;
    public String getCompany() {
        return this.company;
    public String getOperatingSystem() {
        return this.operatingSystem;
    public int getBits() {
        return this.bits;
}
import java.util.List;
public interface IFilter {
    List<Laptop> filterObjects(List<Laptop> laptops);
import java.util.ArrayList;
import java.util.List;
public class HclFilter implements IFilter {
    public List<Laptop> filterObjects(List<Laptop> laptops) {
        List<Laptop> hclLaptops = new ArrayList<>();
        for (int i = 0; i < laptops.size(); i++)
            if (laptops.get(i).getCompany().equalsIgnoreCase("hcl"))
                hclLaptops.add(laptops.get(i));
        return hclLaptops;
    }
}
```

```
import java.util.ArrayList;
import java.util.List;
public class WindowsOperatingSystemFilter implements IFilter {
    public List<Laptop> filterObjects(List<Laptop> laptops) {
        List<Laptop> windowsOperatingSystemLaptops = new ArrayList<>();
        for (int i = 0; i < laptops.size(); i++)
            if (laptops.get(i).getOperatingSystem()
                               .equalsIgnoreCase("windows"))
                windowsOperatingSystemLaptops.add(laptops.get(i));
        return windowsOperatingSystemLaptops;
    }
}
import java.util.ArrayList;
import java.util.List;
public class Application {
    public static void main(String... args) {
        List<Laptop> allLaptops = new ArrayList<>();
        allLaptops.add(new Laptop("hcl", "windows", 32));
        allLaptops.add(new Laptop("hcl", "linux", 32));
        allLaptops.add(new Laptop("hcl", "solaries", 64));
        allLaptops.add(new Laptop("dell", "windows", 32));
        allLaptops.add(new Laptop("dell", "linux", 32));
        allLaptops.add(new Laptop("dell", "solaries", 64));
        IFilter hclLaptops = new HclFilter();
        IFilter windowsOperatingSystemLaptops =
                new WindowsOperatingSystemFilter();
        List<Laptop> filteredLaptops = hclLaptops
                                        .filterObjects(allLaptops);
        System.out.print("\n--- HCL");
        for (int i = 0;i < filteredLaptops.size();i++)</pre>
            System.out.print("\n " + filteredLaptops.get(i).getCompany() +
                     "\t " + filteredLaptops.get(i).getOperatingSystem());
        filteredLaptops = windowsOperatingSystemLaptops
                           .filterObjects(allLaptops);
        System.out.println();
        System.out.print("\n--- Windows Operating System");
        for (int i = 0;i < filteredLaptops.size();i++)</pre>
            System.out.print("\n " + filteredLaptops.get(i).getCompany() +
                              "\t " + filteredLaptops.get(i)
                                      .getOperatingSystem());
    }
```