package com.company;

import java.util.ArrayList;

import java.util.List;

abstract class TransportationServices{

String name;

List <String> Description = new ArrayList<>();

public String toString(){

return "TypeOfTransportation: " + name + "\n" + Description;

}

}

abstract class TransportCompany{

public abstract TransportationServices createTP();

}

class TPbyLand extends TransportCompany{

public TransportationServices createTP(){

return new transportByLand();

}

}

class TPbySea extends TransportCompany {

public TransportationServices createTP() {

return new transportBySea();

}

}

class TPbyAir extends TransportCompany {

public TransportationServices createTP() {

return new transportByAir();

}

}

class transportByLand extends TransportationServices {

public transportByLand() {

name = "Transportation by land:";

Description.add("Transport by road");

Description.add("Transport by cars");

Description.add("Transport by trucks");

}

}

class transportBySea extends TransportationServices {

public transportBySea() {

name = "Transportation by Sea:";

Description.add("Transport by boat");

Description.add("Transport by ship");

Description.add("Transport by oceans");

}

}

class transportByAir extends TransportationServices {

public transportByAir() {

name = "transportation by Air:";

Description.add("Transport by plane");

Description.add("The most faster transport");

}

}

public class Main {

public static void main(String[] args) {

TransportCompany myLandTransport = new TPbyLand();

TransportCompany mySeaTransport = new TPbySea();

TransportCompany myAirTransport = new TPbyAir();

TransportationServices Land = myLandTransport.createTP();

TransportationServices Sea = mySeaTransport.createTP();

TransportationServices Air = myAirTransport.createTP();

System.out.println(Land);

System.out.println(Sea);

System.out.println(Air);

}

}