

1. Implement the given scenario in JAVA

AirTransporter String manufacturer; double maxAltitude; double maxSpeed; AirTransporter() AirTransporter(String manufacturer, double maxAltitude, double maxSpeed) void setManufacturer(String manufacturer) void setMaxAltitude(double maxAltitude) void setMaxSpeed(double maxSpeed) String getManufacturer() double getMaxAltitude() double getMaxSpeed() void showDetails()	PassengerAirliner int passengerCapacity; PassengerAirliner(String manufacturer, double maxAltitude, double maxSpeed,int passengerCapacity) void setPassengerCapacity(int passengerCapacity) int getPassengerCapacity() void showDetails()
<pre>public class Main{ public static void main(String[] args){ PassengerAirliner boeing747 = new PassengerAirliner("Boeing",44947,988,524); boeing747.showDetails(); CargoAirliner airbus22 = new CargoAirliner(); airbus22.setManufacturer("AirBus"); airbus22.setMaxAltitude(30000); airbus22.setMaxSpeed(650); airbus22.setCargoWeight(10000); airbus22.showDetails(); } }</pre>	CargoAirliner int maxCargoWeight; CargoAirliner() CargoAirliner(String manufacturer, double maxAltitude, double maxSpeed,int maxCargoWeight) void setmaxCargoWeight(int weight) int getmaxCargoWeight() void showDetails()

Sample Output

```
Air Transporter Details
Manufacturer : Boeing
Maximum Altitude : 44947.0 ft
Maximum Speed : 988.0 KM/Hr
Passenger Capacity : 524
Air Transporter Details
Manufacturer : AirBus
Maximum Altitude : 30000.0 ft
Maximum Speed : 650.0 KM/Hr
Max Weight Capacity : 10000 KG
```

Complete the classes and format the methods to produce the similar format as sample output.