Implementation of Factory Method

Code:

**package** cognizant;

**interface** Transport {

**void** deliver();

}

**class** Truck **implements** Transport {

**public** **void** deliver() {

System.***out***.println("Delivering by land in a truck.");

}

}

**class** Ship **implements** Transport {

**public** **void** deliver() {

System.***out***.println("Delivering by sea in a ship.");

}

}

**abstract** **class** TransportFactory {

**public** **abstract** Transport createTransport();

}

**class** TruckFactory **extends** TransportFactory {

**public** Transport createTransport() {

**return** **new** Truck();

}

}

**class** ShipFactory **extends** TransportFactory {

**public** Transport createTransport() {

**return** **new** Ship();

}

}

**public** **class** FactoryMethodDemo {

**public** **static** **void** main(String[] args) {

TransportFactory truckFactory = **new** TruckFactory();

Transport truck = truckFactory.createTransport();

truck.deliver();

TransportFactory shipFactory = **new** ShipFactory();

Transport ship = shipFactory.createTransport();

ship.deliver();

}

Output:

