**public** **class** FabricaHyundai {

**private** FabricaHyundai() {}

// Interfaces.

**private** **interface** Car {

String showInfo();

}

**private** **enum** Type {

***HATCH***, ***SEDAN***, ***HB20***, ***ELANTRA***;

}

**private** **abstract** **static** **class** CarFactory {

**abstract** Car createCar(Type type);

**void** deliver(Car car, String place) {

System.***out***.println("Delivering " + car.showInfo() + " to " + place);

}

}

// Implementation.

**private** **static** **class** Hatch **implements** Car {

**public** String showInfo() { **return** "Hatch. Hatch from Fiat"; }

}

**private** **static** **class** Hb20 **implements** Car {

**public** String showInfo() { **return** "BH20. Hatch from Fiat"; }

}

**private** **static** **class** Elantra **implements** Car {

**public** String showInfo() { **return** "Elantra. Hatch from Fiat"; }

}

**private** **static** **class** Sedan **implements** Car {

**public** String showInfo() { **return** "Sedan. Sedan from Fiat"; }

}

**private** **static** **class** Hyundai **extends** CarFactory {

Car createCar(Type type) {

**switch** (type) {

**case** ***HATCH***:

**return** **new** Hatch();

**case** ***SEDAN***:

**return** **new** Sedan();

**case** ***HB20***:

**return** **new** Hb20();

**case** ***ELANTRA***:

**return** **new** Elantra();

**default**:

**throw** **new** IllegalArgumentException();

}

}

}

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

FabricaHyundai.CarFactory hyundai = **new** FabricaHyundai.Hyundai();

System.***out***.println("hyundai factory creates " + hyundai.createCar(Type.***HATCH***).showInfo());

System.***out***.println("hyundai factory creates " + hyundai.createCar(Type.***SEDAN***).showInfo());

System.***out***.println("hyundai factory creates " + hyundai.createCar(Type.***HB20***).showInfo());

System.***out***.println("hyundai factory creates " + hyundai.createCar(Type.***ELANTRA***).showInfo());

}

}