**Sample usage**

const result = solve();

const phone = result.getSmartPhone('HTC', 'One', 903, 5, 'Android');

console.log(phone.getLabel()); // SmartPhone - HTC One - \*\*903\*\*

const headphones = result.getHeadphones('Sennheiser', 'PXC 550 Wireless', 340, 'high', false);

const store = result.getHardwareStore('Magazin');

store.stock(phone, 1)

.stock(headphones, 15);

console.log(store.search('senn'));

/\*

[ { product:

Headphones { ... },

quantity: 15 } ]

\*/

console.log(store.search({type: 'SmartPhone', maxPrice: 1000});

/\*

[ { product:

SmartPhone { ... },

quantity: 1 } ]

\*/

console.log(store.search({type: 'SmartPhone', maxPrice: 900});

/\* [] \*/

store.sell(headphones.id, 2);

console.log(store.getSold()); // 680

**Solution template**

function solve() {

// Your classes

return {

getSmartPhone(manufacturer, model, price, screenSize, operatingSystem) {

// returns SmarhPhone instance

},

getCharger(manufacturer, model, price, outputVoltage, outputCurrent) {

// returns Charger instance

},

getRouter(manufacturer, model, price, wifiRange, lanPorts) {

// returns Router instance

},

getHeadphones(manufacturer, model, price, quality, hasMicrophone) {

// returns Headphones instance

},

getHardwareStore(name) {

// returns HardwareStore instance

}

};

}

// Submit the code above this line in bgcoder.com

module.exports = solve; // DO NOT SUBMIT THIS LINE