import java.util.HashMap;

import java.util.Map;

class Product {

int productId;

String productName;

int quantity;

double price;

Product(int productId, String productName, int quantity, double price) {

this.productId = productId;

this.productName = productName;

this.quantity = quantity;

this.price = price;

}

@Override

public String toString() {

return productId + " - " + productName + " - Quantity: " + quantity + " - Price: " + price;

}

}

public class InventoryManagement {

private Map<Integer, Product> inventory = new HashMap<>();

public void addProduct(Product product) {

inventory.put(product.productId, product);

}

public void updateProduct(int productId, int quantity) {

if (inventory.containsKey(productId)) {

Product product = inventory.get(productId);

product.quantity = quantity;

inventory.put(productId, product);

}

}

public void deleteProduct(int productId) {

inventory.remove(productId);

}

public void displayProducts() {

for (Product product : inventory.values()) {

System.out.println(product);

}

}

public static void main(String[] args) {

InventoryManagement inventoryManagement = new InventoryManagement();

Product p1 = new Product(1, "Laptop", 10, 800.50);

Product p2 = new Product(2, "Mouse", 50, 20.75);

inventoryManagement.addProduct(p1);

inventoryManagement.addProduct(p2);

inventoryManagement.displayProducts();

inventoryManagement.updateProduct(1, 15);

inventoryManagement.displayProducts();

inventoryManagement.deleteProduct(2);

inventoryManagement.displayProducts();

}

}

OUTPUT:

