**Hoàng Đức Anh 20176688**

DigitalVideoDisc.java

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**package** AIms;

**public** **class** DigitalVideoDisc {

**private** String title;

**private** String category;

**private** String director;

**private** **int** length;

**private** **float** cost;

**public** DigitalVideoDisc(String title) {

**super**();

**this**.title = title;

}

**public** DigitalVideoDisc(String title, String category) {

**super**();

**this**.title = title;

**this**.category = category;

}

**public** DigitalVideoDisc(String title, String category, String director) {

**super**();

**this**.title = title;

**this**.category = category;

**this**.director = director;

}

**public** DigitalVideoDisc(String title, String category, String director, **int** length) {

**super**();

**this**.title = title;

**this**.category = category;

**this**.director = director;

**this**.length = length;

}

**public** String getTitle() {

**return** title;

}

**public** **void** setTitle(String title) {

**this**.title = title;

}

**public** String getCategory() {

**return** category;

}

**public** **void** setCategory(String category) {

**this**.category = category;

}

**public** String getDirector() {

**return** director;

}

**public** **void** setDirector(String director) {

**this**.director = director;

}

**public** **int** getLength() {

**return** length;

}

**public** **void** setLength(**int** length) {

**this**.length = length;

}

**public** **float** getCost() {

**return** cost;

}

**public** **void** setCost(**float** cost) {

**this**.cost = cost;

}

}

Order.java

**package** AIms;

**public** **class** Order {

**public** **static** **final** **int** ***MAX\_NUMBER\_ORDER*** = 10;

**private** DigitalVideoDisc itemsOdered[] = **new**

DigitalVideoDisc[***MAX\_NUMBER\_ORDER***];

**private** **int** qtyOrdered;

**public** **int** getQtyOrdered() {

**return** qtyOrdered;

}

**public** **void** setQtyOrdered(**int** qtyOrdered) {

**this**.qtyOrdered = qtyOrdered;

}

**public** **void** addDigitalVideoDisc(DigitalVideoDisc disc) {

**if**(qtyOrdered == ***MAX\_NUMBER\_ORDER***) {

System.***out***.println("Full!!");

}

**else** {

**this**.itemsOdered[qtyOrdered] = disc;

**this**.qtyOrdered++;

System.***out***.println("add successful!!");

}

}

**public** Order() {

**super**();

**this**.qtyOrdered=0;

}

**public** **void** removeDigitalVideoDisc(DigitalVideoDisc disc){

**int** j=0;

**for** (**int** i=1;i<**this**.qtyOrdered;i++){

**if** (itemsOdered[qtyOrdered].getTitle().equals(disc.getTitle())){

j=1;

**this**.qtyOrdered=**this**.qtyOrdered-1;

}

**if** (j==1){

itemsOdered[i]=itemsOdered[i+1];

}

}

}

**public** **void** totalCost(){

**float** tong=0;

**for** (**int** i=1;i<**this**.qtyOrdered;i++){

tong=tong+itemsOdered[i].getLength()\*itemsOdered[i].getCost();

}

System.***out***.println(tong);

}

}