Item.java

**package** com;

**public** **class** Item {

**private** **int** itemId;

**private** **double** price;

**private** String itemName;

**private** String status;

**public** Item(**int** itemId, **double** price, String itemName, String status) {

**super**();

**this**.itemId = itemId;

**this**.price = price;

**this**.itemName = itemName;

**this**.status = status;

}

**public** **int** getItemId() {

**return** itemId;

}

**public** **void** setItemId(**int** itemId) {

**this**.itemId = itemId;

}

**public** **double** getPrice() {

**return** price;

}

**public** **void** setPrice(**double** price) {

**this**.price = price;

}

**public** String getItemName() {

**return** itemName;

}

**public** **void** setItemName(String itemName) {

**this**.itemName = itemName;

}

**public** String getStatus() {

**return** status;

}

**public** **void** setStatus(String status) {

**this**.status = status;

}

}

ItemDemo.java

**package** com;

**public** **class** ItemDemo {

**static** **int** *count*=0;

**public** **static** **int** getItemStatusCount(Item[] items,String stat) {

**for**(Item it:items) {

**if**(it.getStatus().equalsIgnoreCase(stat)) {

*count*++;

}

}

**return** *count*;

}

**public** **static** Item getAvlblCostlyItem (Item[] items) {

**int** k=0;

Item[] it = **new** Item[*count*];

**for**(Item ie:items) {

**if**(ie.getStatus().equalsIgnoreCase("Available")){

it[k]=ie;

k++;

}

}

**for**(**int** i=0;i<it.length;i++) {

**for**(**int** j=i+1;j<it.length-1;j++)

{

**if**(items[i].getPrice()<items[j].getPrice()) {

Item temp=it[i];

it[i]=it[j];

it[j]=temp;

}

}

}

**return** it[0];

}

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

// **TODO** Auto-generated method stub

Item[] items=**new** Item[5];

items[0]=**new** Item(1,45.0,"Noodles","AVAILABLE");

items[1]=**new** Item(2,125.0,"Pizza","NOT AVAILABLE");

items[2]=**new** Item(3,150.0,"MEALS","AVAILABLE");

items[3]=**new** Item(4,175.0,"Sweet","NOT AVAILABLE");

items[4]=**new** Item(5,105.0,"Burger","AVAILABLE");

String stat="Available";

System.***out***.println("No. of items in "+stat + " status:"+ItemDemo.*getItemStatusCount*(items,stat));

Item citem=ItemDemo.*getAvlblCostlyItem*(items);

System.***out***.println("Available item with highest cost is "+citem.getItemName()+" with price "+citem.getPrice());

}

}