**COMPARATOR**

**package** com.techno.collection;

**public** **class** ItemComparator {

**private** String name;

**private** **double** prize;

**private** **int** quantity;

**public** ItemComparator(String name, **double** prize, **int** quantity) {

**super**();

**this**.name = name;

**this**.prize = prize;

**this**.quantity = quantity;

}

**public** String getName() {

**return** name;

}

**public** Double getPrize() {

**return** prize;

}

**public** Integer getQuantity() {

**return** quantity;

}

@Override

**public** String toString() {

**return** "ItemComparator [name=" + name + ", prize=" + prize + ", quantity=" + quantity + "]\n";

}

}

\*\*\*\*\*\*\*\*\*\*\*\*\* comparartor \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**package** com.techno.collection;

**import** java.util.Comparator;

**public** **class** MyComparator **implements** Comparator<ItemComparator> {

@Override

**public** **int** compare(ItemComparator o1, ItemComparator o2) {

**return** o1.getPrize().compareTo(o2.getPrize());

}

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* main class \*\*\*\*\*\*\*\*\*\*\*\*\*\*

**package** com.techno.collection;

**import** java.util.ArrayList;

**import** java.util.Collections;

**public** **class** MainCompareto {

**private** **static** ArrayList<ItemComparator> *a* = **new** ArrayList();

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

ItemComparator ic = **new** ItemComparator("fruit", 80.0, 2);

ItemComparator ic1 = **new** ItemComparator("vegitables", 30.0, 2);

ItemComparator ic2 = **new** ItemComparator("dryfruit", 750.0, 2);

ItemComparator ic3 = **new** ItemComparator("chakodi", 36.0, 2);

*a*.add(ic);

*a*.add(ic1);

*a*.add(ic2);

*a*.add(ic3);

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

Collections.*sort*(*a*, **new** MyComparator());

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

}

}