**File Name : LAB04\_A**

import java.lang.\*;

import java.util.\*;

import java.io.\*;

class Icecream{

String icecreamType;

String icecreamCompany;

double icecreamPrice;

// constructor with no-args //NOTE: BHUJI NAI;

Icecream(){}

// constructor with args //NOTE: BHUJI NAI;

Icecream(String icecreamType, String icecreamCompany, double icecreamPrice){

this.icecreamType = icecreamType;

this.icecreamCompany = icecreamCompany;

this.icecreamPrice = icecreamPrice;

}

public String toString(){

return this.icecreamType + " " + this.icecreamCompany + " " + this.icecreamPrice;

}

public boolean equals(Icecream I){

return (this.icecreamPrice == I.icecreamPrice)? true : false; //this.something = caller;

}

public int compareTo(Icecream I){

if(this.icecreamPrice > I.icecreamPrice)

return 1;

else if(this.icecreamPrice == I.icecreamPrice)

return 0;

else

return -1;

}

} //class ends

class Lab04\_A{

public static void main(String[] args){

Icecream obj1 = new Icecream();

Icecream obj2 = new Icecream("Vanila","Igloo", 55.5);

Icecream obj3 = new Icecream("Chocolate", "Za N Zee", 75.5);

Icecream obj4 = new Icecream("Mango", "Iglo", 75.5);

System.out.println(obj2.toString());

System.out.println(obj3.toString());

System.out.println(obj3.equals(obj4)); //true

System.out.println(obj2.equals(obj3)); //false

System.out.println(obj2.compareTo(obj4)); //1

}

}