

Sample_project.java Read unknown number of records from data file

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package sample_project;
import java.io.BufferedReader;
import java.io.FileReader;
import java.io.IOException;
import java.util.StringTokenizer;
import javax.swing.JOptionPane;
public class sample_project
{
    public static void main(String[] args)
    {
        int selection;
        String inumber[]=new String[100];
        String iname[]=new String[100];
        String vname[]=new String[100];
        double vprice[]=new double[100];
        double rprice[]=new double[100];
        int stock[]=new int[100];
        int count=-1;
        count=read(inumber, iname,vname,vprice,rprice,stock,count);
        selection=menu();
        while (selection !=3)
        {
            if (selection ==1)
                print_all(inumber,iname, vname,vprice,rprice,stock,count);
            else
                if (selection ==2)
                    search(inumber,iname, vname,vprice,rprice,stock,count);
            selection=menu();
        } //end of while loop
        System.exit(0);
    }
    public static int menu()
    {
        String temp;
        int selection;
        String output="ACME LUMBER OUTLET"+"\\n"
        +"=====\\n"
        +"1. Print all items"+"\\n"
        +"2. Search for item"+"\\n"
        +"3. Exit"+"\\n"
        +"Enter your slection > ";
    }
}

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        temp = JOptionPane.showInputDialog(null,
output, "", JOptionPane.QUESTION_MESSAGE);
        selection = Integer.parseInt(temp);
        return selection;
    }

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public static void print_all(String inumber[], String iname[], String vname[], double
vprice[], double rprice[], int stock[], int count)
{
    int i;
    System.out.println(" ALL INVENTORY ");
    System.out.println(" =====");
    for(i=0; i<=count; ++i)
    {
        System.out.println(inumber[i] + " " + iname[i] + " " + vname[i] + " " +
vprice[i] + " " + rprice[i] + " " + stock[i]);
    }
}

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public static void search(String inumber[], String iname[], String vname[], double vprice[], double
rprice[], int stock[], int count)
{
    String num;
    int i;
    String output = "Enter item number to search for: ";
    num = JOptionPane.showInputDialog(null, output, "", JOptionPane.QUESTION_MESSAGE);
    for(i=0; i<=count; ++i)
    {
        if(num.equals(inumber[i]))
        {
            System.out.println("Item Found:");
            System.out.println(inumber[i] + " " + iname[i] + " " + vname[i] + " " +
vprice[i] + " " + rprice[i] + " " + stock[i]);
        }
    }
}
}

```

```

public static int read(String inumber[],String iname[],String vname[],double vprice[],double
rprice[],int stock[],int count)
{
String newLine;
try
{
//define a file variable for Buffered read
BufferedReader lumber_file = new BufferedReader(new FileReader("inventj.dat"));
//read lines in file until there are no more lines in the file to read
while ((newLine = lumber_file.readLine()) != null)
{
//there is a "#" between each data item in each line
StringTokenizer delimiter = new StringTokenizer(newLine,"#");
count=count+1;
inumber[count] =delimiter.nextToken();
iname[count] =delimiter.nextToken();
vname[count] =delimiter.nextToken();
vprice[count] = Double.parseDouble(delimiter.nextToken());
rprice[count] = Double.parseDouble(delimiter.nextToken());
stock[count] = Integer.parseInt(delimiter.nextToken());
} //while loop
lumber_file.close();
} //end try
catch (IOException error)
{
//there was an error on the file writing
System.out.println("Error on file read " + error);
} //error on read
return count;
}
}

```

Contents of invent.dat:

11#BASSWOOD#Cluss Lumber#3.56#5.77#1000#
12#BIRDS EYE MAPLE#84 Lumber#7.99#9.99#3000#
13#BUTTERNUT#84 Lumber#8.99#11.99#2500#
14#CHERRY#Cluss Lumber#7.45#9.88#1200#
15#HARD MAPLE#Coastal Lumber#6.99#9.99#4500#
16#HICKORY#Coastal Lumber#8.99#10.99#1500#
17#JATوبا#84 Lumber#5.75#8.77#500#
18#MAHOGANY#Cluss Lumber#6.87#7.99#675#
19#PURPLE HEART#84 Lumber#5.98#8.77#875#
20#RED CEDAR#84 Lumber#9.99#11.99#300#
34#RED OAK#84 Lumber#6.56#8.76#100#
35#RED BIRCH#Coastal Lumber#6.95#8.94#2000#
36#SOFT MAPLE#84 Lumber#12.99#15.99#700#
37#SOFT CURLY MAPLE#Cluss Lumber#7.99#9.99#800#
38#TEAK3#Cluss Lumber#19.99#23.99#150#
39#WALNUT#Coastal Lumber#3.79#6.99#2000#
40#WHITE PINE#Cluss Lumber#6.99#8.99#5000#
41#WHITE OAK#84 Lumber#7.89#8.99#1000#
42#YELLOW BIRCH#Cluss Lumber#6.88#7.99#800#
43#YELLOW POPLAR#Coastal Lumber#8.45#9.55#600#