

```

import java.io.BufferedReader;import java.io.FileReader;import java.io.IOException;

public class Tunes
{
    //-----
    //Creates a CDCollection object and adds some CDs to it. Prints
    //reports on the status of the collection.
    //-----

    public static void main(String[] args) throws Exception {
        CDCollection collection = new CDCollection();

        BufferedReader br = new BufferedReader(new FileReader("E:\\Reading Writing
        Labs\\bin\\textfile.txt"));
        String line = null;
        while ((line = br.readLine()) != null) {
            // you can use " " to split where white space isString[] values = line.split("-");
            //for (String str: values) {
            //System.out.println(str);
            //}
            collection.addCD(values[0], values[1], Double.parseDouble(values[2])
            ,Integer.parseInt(values[3]));
        }
        br.close();

        System.out.println (collection);

    }

}

public class CD
{
    private String title, artist;private double cost;
    private int tracks;

    //-----
    // Creates a new CD with the specifiedinformation. //-----
    -----
    public CD (String name, String singer, double price, int numTracks)
    {
        title = name;artist = singer;cost = price;tracks = numTracks;
    }

    //-----
    // Returns a string description of thisCD. //-----
    -----
    public String toString()
    {
        NumberFormat fmt = NumberFormat.getCurrencyInstance();

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String description;

description = fmt.format(cost)
+ "\t" + tracks + "\t";description += title + "\t" + artist;

return description;
}
}

import java.text.NumberFormat;

public class CDCollection
{
private CD[] collection;private int count;private double totalCost;

//-----
// Constructor: Creates an initially emptycollection. //-----
-----
public CDCollection ()
{
collection = new CD[100];count = 0;
totalCost = 0.0;
}

//-----
//Adds a CD to the collection, increasing the size of the
//collection if necessary.
//-----
void addCD (String title, String artist, double cost,int tracks)
{
if (count == collection.length) increaseSize();

collection[count] = new CD (title, artist, cost, tracks);totalCost += cost;
count++;
}

//-----
// Returns a report describing the CDcollection. //-----
-----
public String toString()
{
NumberFormat fmt = NumberFormat.getCurrencyInstance();

String report = "~~~~~\n";report += "My CD
Collection\n\n";

report += "Number of CDs: " + count + "\n";
report += "Total cost: " + fmt.format(totalCost) + "\n";report += "Average cost:
" + fmt.format(totalCost/count);

report += "\n\nCD List:\n\n";

for (int cd = 0; cd < count; cd++)

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report += collection[cd].toString() + "\n";

return report;
}

//-----
// Increases the capacity of the collection by creating a // larger array and copying
the existing collection into it.
//-----
private void increaseSize ()
{
    CD[] temp = new CD[collection.length * 2];

    for (int cd = 0; cd < collection.length; cd++) temp[cd] = collection[cd];

    collection = temp;
}
}

```

