**VSAM exercise**

**Due: —**

**30 points**

Given the following data set on Blackboard—named VSAM\_tvData.xls (note that you will have to save the worksheet into a .txt file before uploading for use as input to IDCAMS). You will have to determine the record layout positions as I have just provided the data in Excel format.

1. Create a VSAM cluster with the primary index of stock number.
2. Name the VSAM cluster XXXXXXXX.VSAMTV.MASTER
3. Create the alternate index. The alternate index is the product.
4. Name the alternate index XXXXXXXX.VSAMTV.MASTER.ALTNDX
5. When creating each, have the program print the dataset if the last condition code is zero.
6. Bonus (10 points) Write a Cobol program, similar to the VSAM example in class, that illustrates finding a record via the primary index, Stock Nbr., and the alternate index, Product. Program names must be changed to be meaningful.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Region | Stock Nbr | Manufacturer | Product | Cost | Price | Margin |
| A | 11111 | Samsung | Plasma 42 | 1400 | 1900 | 500 |
| B | 11112 | Panasonic | Plasma 46 | 1700 | 2300 | 600 |
| C | 11113 | Sony | Plasma 46 | 1750 | 2250 | 500 |
| D | 11114 | Panasonic | LCD 46 | 1650 | 2150 | 500 |
| D | 11115 | Zenith | LCD 46 | 1650 | 2200 | 550 |
| C | 11116 | Magnavox | Plasma 42 | 1300 | 1800 | 500 |
| B | 11117 | Samsung | LCD 46 | 1650 | 2350 | 700 |
| A | 11140 | Magnavox | Plasma 46 | 1600 | 2200 | 600 |
| A | 11118 | Zenith | LCD 36 | 800 | 1100 | 300 |
| B | 11119 | Panasonic | LCD 36 | 850 | 1150 | 300 |
| C | 11120 | Sony | Plasma 55 | 1900 | 2600 | 700 |
| D | 11121 | Magnavox | Plasma 50 | 1350 | 1500 | 150 |
| C | 11122 | Samsung | LCD 36 | 750 | 1050 | 300 |
| D | 11123 | Magnavox | LCD 20 | 350 | 550 | 200 |
| B | 11124 | Sony | LCD 26 | 550 | 900 | 350 |
| A | 11125 | Panasonic | Plasma 55 | 1900 | 2600 | 700 |
| B | 11126 | Magnavox | LCD 30 | 700 | 1000 | 300 |
| C | 11127 | Sony | Plasma 42 | 1300 | 1800 | 500 |
| D | 11128 | Magnavox | LCD 36 | 750 | 1050 | 300 |
| A | 11129 | Samsung | Plasma 55 | 1900 | 2600 | 700 |
| C | 11130 | Magnavox | LCD 46 | 1650 | 2250 | 600 |
| D | 11131 | Sony | LCD 20 | 350 | 550 | 200 |
| D | 11132 | Samsung | LCD 26 | 500 | 800 | 300 |
| A | 11133 | Zenith | Plasma 55 | 1900 | 2600 | 700 |
| B | 11134 | Panasonic | Plasma 42 | 1300 | 1800 | 500 |
| C | 11135 | Magnavox | Plasma 55 | 1900 | 2600 | 700 |
| A | 11136 | Samsung | LCD 20 | 350 | 550 | 200 |
| B | 11137 | Magnavox | LCD 26 | 450 | 750 | 300 |
| C | 11138 | Panasonic | Plasma 46 | 1600 | 2200 | 600 |

Screen capture (including your acctid) the printed output of creating the primary index and the alternate index and paste into a word document to be submitted for grading