Cobol Exercise

Using Tables

READ, pre-defined Tables, Tables.

Introduction

A program is required which will process the Students File (Students.Dat) and will count the number students born on each month of the year and will display the results to January to December order.

Download Students.Dat and save it to the WorkArea directory on the drive D:

Student File Description

The Students File is a sequential file held in **ascending StudentId** order.
Each record of the students file contains the following items;

Field	Type	Length	Value
Student Id	9	7	0-9999999
Student Name			Group
Surname	X	8	-
Initials	X	2	-
DateOfBirth			Group
Year	9	4	0000-9999
Month	9	2	01-12
Day	9	2	01-31
Course Code	X	4	-
Gender	X	1	M/F

Example Run

```
 Month      StudCount
January        2
February       2
March          3
April          4
May            1
```

```
June            0
July            2
August          1
September       4
October         5
November        3
December        5
```

Use Edited picture clauses and the zero suppression symbol to produce the output as shown.

Suggested Approaches.

The main problem that we face here is that the results must be displayed in MonthName order but the file is held in StudentId order.

A tables based solution is a good idea here. We can use the month number as a direct index into the month table.

Sample Solution

When you have written your program and have compiled it and have it working correctly you may wish to compare it with this sample solution.

WARNING

As always please do not look at the solution until you have finished your own program.   At the very least you should make a substantial effort to complete your own attempt at the program before examining the sample solution.