

**Overview**

This program will give you a chance to write a complete COBOL program that creates a single report based on information contained in a file with an unknown number of records.

Read each of the records in the semester's data PDS member named DATA4. For each, move each of the fields to a single detail line. Be sure to display the Endowment Amount in full numeric-edited format with a floating dollar sign, commas where appropriate, decimal point and two decimal digits. Do NOT display the Endowment Type Flag.

Double space between detail lines and use just the first 82 of the 132 bytes available across a single detail line. Be sure to fill the in-between columns with spaces and, of course, the last 50 bytes of the detail line with spaces.

Do NOT print page headers or column headers, do NOT call the CURRENT-DATE Intrinsic Function, and do NOT count pages or lines.

As you process each record, accumulate the Endowment Amounts so that, after the loop is done and you have read and processed each of the unknown number of records in the input file, you can display a single line, double-spaced after the last detail line, showing the total of all of the Endowment Amounts. Make sure this total amount is displayed in full numeric-edited format with floating dollar sign, commas where appropriate, decimal point and two decimal digits.

Make sure that the total line described in the previous paragraph has nothing else on it but the total amount and that the total amount's decimal point and two decimal places line up with the Endowment Amount field above.

The format of the input records are provided below.

**The Records in the File:**

Orchestra Name:	45 bytes character
Unused:	5 bytes
Endowment Amount:	11 bytes zoned decimal with two decimal places (max. \$999,999,999.99)
Unused:	3 bytes
Endowment Type Flag:	1 byte zoned decimal (value of either 1, 2 or 3)
Unused:	15 bytes

Fully document your JCL *and* your COBOL program as described in Chapter 1 of the Course Notes.

Submit the .txt file of your full output on Blackboard as before.