

## SAS Case 16 - Totals

### Problem Statement

In this case you'll develop totals for the withholding of each of the Divisions of the Bisco Corporation.

### Your Task

1. Start with the JCL/SAS statements that you used for Case 4  
**YOUR\_USER\_ID.TRAINING.CASE4.**
2. Add to Case 4 the SAS code below to generate withholding totals for each Bisco division.

When the SAS job runs successfully, print out:

1. The original JCL/SAS file (**YOUR\_USER\_ID.TRAINING.CASE16**).
2. The SAS listing (shown as SASLIST in IOF)

### SAS Statements

```
PROC SORT DATA=SUMMARY;
BY DIVISION;

DATA TOTALS;
  SET SUMMARY;
  BY DIVISION;
  IF FIRST.DIVISION THEN F_TOTAL = 0;
  F_TOTAL + F_WITH;
  IF LAST.DIVISION;
RUN;
TITLE BISCO WITHHOLDING TOTALS;
PROC PRINT DATA=TOTALS LABEL;
  LABEL F_TOTAL = "WITHHOLDING TOTAL";
  VAR DIVISION F_TOTAL;
RUN;
```

```
OPTIONS OBS=100;
```

```
* case 16;
TITLE NODUPLICATES EXAMPLE;
DATA TEST;
KEEP VALUE;
DO I = 1 TO 100;
    VALUE = ROUND(RANUNI(12345)*100,10);
    OUTPUT;
END;

PROC PRINT DATA=TEST;

PROC SORT DATA=TEST NODUPLICATES;
BY VALUE;

PROC PRINT DATA=TEST;
RUN;
```