**CSCI 465 DFSORT Example Fall 2019**

The following is an example of a use of the IBM DFSORT utility:

//JSTEP0n EXEC PGM=SORT,PARM='CMP=CLC'

//\*

//SORTIN DD DSN=KC0nnnn.CSCI465.xxxx(yyyy),DISP=SHR

//SORTOUT DD DSN=&&SORTED,SPACE=(TRK,(1,5)),DISP=(NEW,PASS)

//\*

//SYSOUT DD SYSOUT=\*  
//\*

//SYSIN DD \*

SORT FIELDS=(1,3,ZD,A)

/\*

//\*

The SORTIN data set is being sorted in ascending order on a single two-byte zoned decimal field.

The SYSIN above is an instream control card telling DFSORT which bytes to sort on. The first positional parameter gives the byte in each record where the sort field begins, the second gives the length in bytes of the sort field, the third gives the type of data being sorted (ZD = zoned decimal) and the fourth gives the direction of the sort where A = ascending collating sequence and D = descending collating sequence.

By the way, what does the CLC in the PARM='CMP=CLC' mean?

A secondary sort field can be specified by adding four more positional parameters specifying the beginning byte, field length in bytes, data type and direction of the sort.

A tertiary or quaternary sort could be added too!