



DRONA SERIES SORT OUTREC TUTORIAL

CHAPTER - 3

BUILD in Sort

Using BUILD in SORT

Build parameter is used to reformat records. Build give complete control over output file format. BUILD parameter can be used on INREC and OUTREC statements in SORT card. BUILD parameter is an alias of the FIELDS parameter. Build parameter can be used in UTFIL statement also.

Ideate, innovate
& integrate

Enable agile development from product launch to feature pivots

Basic Syntax's of Build Parameter

Syntax 1 -

`BUILD=(c:p,m...)`

`c:p,m ->`

`c: ->` position in output file.

`p ->` starting position of the input field

`m ->` length of the input field

Syntax 2 -

`BUILD=(p,m,HEX....)`

`p,m,HEX ->`

`p ->` starting position of the input field

`m ->` length of the input field

`HEX ->` Hexadecimal representation of input value will appear in the outputfile.

Syntax 3 -

`BUILD=(p,m,TRAN=....)`

`p,m,TRAN= ->`

`p ->` starting position of the input field

`m ->` length of the input field

`TRAN=LTOU (or) TRAN=UTOL ->` Will convert the input data from lower to upper case (LTOU)

`or) upper to lower case (UTOL)`

Inputfile

```
10 suresh 20000 01
20 NARENDRA 40000 06
30 jacob A 25000 07
40 RAMESH 34000 03
50 Kishore 50000 02
```

Build Sort Card

```
//SYSIN DD *
  SORT FIELDS=COPY
  OUTREC BUILD=(1,21,TRAN=LTOU)
/*
```

Explanation - This sort card will copy first 21 bytes from inputfile & convert all letter to upper case letters. In the input data first record has lower case letters (suresh). this data will get converted to uppercase. Same rule applies to all

the records. find the output file data after executing this SORT card.

Outputfile

```
10 SURESH 20000 01
20 NARENDRA 40000 06
30 JACOB A 25000 07
40 RAMESH 34000 03
50 KISHORE 50000 02
```

Syntax 4 -

```
BUILD=(p,m,lookup.....)
```

p,m,lookup ->

p -> starting position of the input field

m -> length of the input field

lookup -> CHANGE parameter to be used here to list down the table of entries to be compared.

Example for lookup

Input Data for Sort

```
10 suresh 20000 01 JAN
20 NARENDRA 40000 06 JUN
30 jacob A 25000 07 JUL
40 RAMESH 34000 03 MAR
50 Kishore 50000 02 FEB
```

```
//SYSIN DD *
SORT FIELDS=COPY
OUTREC BUILD=(1,21,TRAN=LTOU,22,3, -
              CHANGE=(9, -
                C'JAN',C'JANUARY', -
                C'FEB',C'FEBRUARY', -
                C'MAR',C'MARCH', -
                C'APR',C'APRIL', -
                C'MAY',C'MAY', -
                C'JUN',C'JUNE', -
                C'JUL',C'JULY', -
                C'AUG',C'AUGUST', -
                C'SEP',C'SEPTMBER', -
                C'OCT',C'OCTOBER', -
                C'NOV',C'NOVEMBER', -
                C'DEC',C'DECEMBER'), -
              NOMATCH=(22,3))
/*
```

Explanation - This sort card will copy first 21 bytes from inputfile & convert all letter to upper case letters. In addition to this, It will replace 3 letter month name with month's full name at 22nd position. (ex. JAN with JANUARY...). Data at 22nd position of the inputfile (3 bytes) will be compared with the data provided in CHANGE list. if any match found in the list corresponding data will be moved to outputfile (ex. if input data is matched with 'SEP' string SEPTEMBER will be moved to outputfile. if there is not match found (NOMATCH)... data at 22nd position from input file will be moved to output file (22,3).

Data in Outputfile

```
10 SURESH 20000 01 JANUARY .....
20 NARENDRA 40000 06 JUNE .....
30 JACOB A 25000 07 JULY .....
40 RAMESH 34000 03 MARCH .....
50 KISHORE 50000 02 FEBRUARY .....
***** Bottom of Data *****
```

NEXT CHAPTER TOPIC : SORT Overview (First Chapter)