!

RCSL: 43-RI0209

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PROGRAM RC36-90025.02

SKRIV

KEYWORDS: MUSIL, DPO, LPT, DATA ENTRY, LISTING

ABSTRACT: THIS PROGRAM PRINTS A DISCFILE BY PRINTING THE VALUE OF EACH CHARACTER.
THIS PROGRAM IS A DATA ENTRY SUPERVISOR PROGRAM.

RCSL: 43-RI0210: ASCII SOURCE TAPE.
RCSL: 43-RI0211: REL. BIN. TAPE.
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TITLE: SKRIV

ABSTRACT: THIS PROGRAM PRINTS A DISCFILE BY PRINTING THE VALUE OF EACH CHARACTER.
THIS PROGRAM IS A DATA ENTRY SUPERVISOR PROGRAM.

SIZE: 1840 BYTES. INCLUDING ONE 512 BYTES INPUT BUFFER AND ONE 132 BYTES OUTPUT BUFFER.

DATE: MARCH 22ND 1976.

CALL: SKRIV <DISC FILE NAME>

OUTPUT MESSAGES:

SYNTAX — SYNTAX ERROR IN THE CALL LINE.

OK — END OF FILE. THE PROGRAM EXECUTION IS TERMINATED SUCCESFULLY.

DISC ERROR <CODE> — CONSULT THE APPENDIX TO THE RC3600 DATA ENTRY USER'S MANUAL.

PRINTER ERROR <CODE> — CONSULT THE APPENDIX TO THE RC3600 DATA ENTRY USER'S MANUAL.

SPECIAL REQUIREMENTS:

CMMD (R0001: RCSL: 43-RI0111)
GTPM (R0003: RCSL: 43-RI0117)
RETUR (R0004: RCSL: 43-RI0120)

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```
CONST
SPACE= '<32>',
NEWLINE= '<13><10>';
VAR
TEGN:   STRING(5);
X:      INTEGER;
I:      INTEGER;
CLINE:      STRING(112);
RET:        INTEGER;
ITEM:       STRING(6);
VALUE:      INTEGER;
KIND:       INTEGER;
SEP:        INTEGER;
RESULT:     INTEGER;
TEXTNO:     INTEGER;
LERR:       INTEGER;
BERR:       INTEGER;
LPT:    FILE
        'LPT',1,1,132,UB;
        GIVEUP LPTERROR, 2'1110001111111110
        OF STRING(132);

FIN     STRING(2);
BATCH: FILE
        'AND01',60,1,512,U;
        GIVEUP BATERROR,
        2'1111111111111111
        OF STRING(512);

PROCEDURE LPTERROR;
BEGIN
     RESULT:=LPT.Z0; LERR:=LERR+1;
     TEXTNO:=2 SHIFT 10 + 7 SHIFT 4 + 1 SHIFT 1;
        GOTO 11;
  END;

PROCEDURE BATERROR;
BEGIN
     IF BATCH.Z0 AND 8'20 <> 0 THEN GOTO 11;    ! END MEDIUM !
     RESULT:=BATCH.Z0; BERR:=BERR+1;
     TEXTNO:=15 SHIFT 10 + 7 SHIFT 4 + 1 SHIFT 1;
        GOTO 11;
END;

PROCEDURE CMMD  (VAR CLINE: STRING(112);
                 VAR RET: INTEGER);
CODEBODY;

PROCEDURE GTPM  (VAR CLINE:  STRING(112);
                 VAR ITEM:   STRING(6);
                 VAR  VALUE: INTEGER;
                 VAR  KIND:  INTEGER;
                 VAR SEP:    INTEGER);
CODEBODY;

PROCEDURE RETUR   (VAR RET:    INTEGER;
                   VAR RESULT: INTEGER;
                   VAR TEXTNO: INTEGER);
CODEBODY;
```

```
BEGIN
BERR:=4; LERR:=4; TEXTNO:=12 SHIFT 10;
CMMD (CLINE,RET);
GTPM (CLINE,ITEM,VALUE,KIND,SEP);
GTPM (CLINE,ITEM,VALUE,KIND,SEP);
IF KIND <> 1; THEN BEGIN TEXTNO:=4 SHIFT 10; GOTO 12; END;
MOVE (ITEM,0,FINA,2,6);!
        OPEN(LPT,3); LERR:=0;
        OPEN(BATCH,1); BERR:=0;
        PUTREC(LPT,9);
        MOVE(SPACE,0,LPT↑,0,1);
        MOVE(NEWLINE,0,LPT↑,1,2);
        MOVE(ITEM,0,LPT↑,3,6);
        PUTREC(LPT,2);
        MOVE(NEWLINE,0,LPT↑,0,2);
9:      I:=0;
10:     INCHAR(BATCH,X);
        BINDEC(X,TEGN);
        PUTREC(LPT,6);
        MOVE(TEGN,0,LPT↑,0,5);
        MOVE(SPACE,0,LPT↑,5,1);
        I:=I+1;
        IF I < 20 THEN GOTO 10;
        PUTREC(LPT,2);
        MOVE(NEWLINE,0,LPT↑,0,2);
        GOTO 9;
11:     IF BERR < 4 THEN BEGIN CLOSE(BATCH,1); BERR:=4; END;
        IF LERR < 4 THEN BEGIN CLOSE(LPT,1); LERR:=4; END;
12:     RETUR(RET,RESULT,TEXTNO);
        END;
```