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1  * RUNOFF.S -- Small Runoff transcribed by C. R. Britzen; Dec 6, 1981
2  BEGIN RUNOFF;
3  START MAIN;
4  *-----
5  EXT PROC READ,PROC WRITE,PROC ATTACH,PROC CLOSE;
6  EXT PROC STREQ,PROC ERROR;
7  EXT PROC SPACE,PROC BRK,PROC COMMAND,PROC PROCTEXT;
8  *-----
9  ENT INFILE,INBUF;
10 ENT OUTFILE,OUTBUF;
11 ENT TRUE,FALSE,NULL;
12 ENT CEVAL,INVAL,LSVAL;
13 ENT M1VAL,M2VAL,M3VAL,M4VAL;
14 ENT PLVAL,PPVAL,RMVAL,TIVAL,ULVAL;
15 ENT HEAD,FOOT;
16 ENT FILLVAL,JUSTVAL;
17 ENT WRDBUF,WRDLEN,OUTWRDS;
18 ENT CURPAG,NEWPAQ;
19 ENT TTY,PSEUDO,LINENO,LSVAL,INVAL;
20 ENT BOTTOM,MLINEW,DIRRT,NEXTRA;
21 ENT OUTP,OUTW;
22 ENT INIT;
23 *-----
24 SET LINEL=132;           * Max length of output line
25 SET LINER=255;           * Max length of input line
26 SET LINEW=3*LINEL;       * Max length with underlines
27 *-----
28 DCL INBUF(LINER);         * Current input line
29 DCL HEAD(LINER),FOOT(LINER); * Header and footer lines
30 DCL INFNAME(14),OUTFNAME(14); * Input and output filenames
31 DCL INFILE=1,OUTFILE=2;    * File unit numbers
32 DCL INBLK(82),OUTBLK(82);  * File blocks for CP/M
33 DCL OUTBUF(LINEW),WRDBUF(LINEW);
34 DCL BLANKS(LINER);
35 *-----
36 DCL CURPAG,NEWPAQ,LINENO;
37 DCL PLVAL,M1VAL,M2VAL,M3VAL,M4VAL;
38 DCL LSVAL,INVAL,RMVAL,TIVAL;
39 DCL CEVAL,ULVAL,BOTTOM,PPVAL;
40 DCL OUTP,OUTW,OUTWRDS,WRDLEN;
41 DCL FILLVAL,JUSTVAL,DIRRT;
42 DCL NEXTRA;
43 *-----
44 DCL TRUE=-1,FALSE=0;
45 DCL NULL=0;
46 DCL PSEUDO=35;           * Pseudo blank is pound sign
47 DCL MAX=999;
48 DCL MLINER=LINER;
49 DCL MLINEW=LINEW;
50 *-----
51 MSG HEADMSG='Small Runoff Dec 6 1981';
52 MSG INFMSG='Input Filename ';
53 MSG OUTFMSG='Output Filename ';
54 MSG ERRMSG='Cannot Output to same file';
55 DCL TTY=10;
56 DCL I,ISTAT;             * Input Status
57 *-----
58 LABEL MAIN;
59 CALL WRITE(TTY,HEADMSG);  * Hello, who am I
60 CALL WRITE(TTY,INFMSG);   * Ask for input filename

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61      ISTAT=READ(TTY,INFNAME);      * Get it
62      CALL ATTACH(INFILE,INFNAME,INBLK);
63      CALL WRITE(TTY,OUTFMSG);      * Ask for output filename
64      ISTAT=READ(TTY,OUTFNAME);      * Get it
65      IF STREQ(INFNAME,OUTFNAME);
66      1      THEN CALL ERROR(ERRMSG);      * Error if same
67      1      ELSE
68      1      CALL ATTACH(OUTFILE,OUTFNAME,OUTBLK);
69      1      CALL INIT;
70      1      DO WHILE ISTAT;
71      2      ISTAT=READ(INFILE,INBUF);
72      2      IF INBUF EQ 0;
73      3      THEN CALL PROCTEXT;
74      3      ELSE
75      3      IF INBUF(1) EQ '.';
76      4      THEN CALL COMMAND;
77      4      ELSE CALL PROCTEXT;
78      4      ENDIF
79      3      ENDIF
80      2      ENDDO
81      1      CALL BRK;
82      1      CALL SPACE(MAX);
83      1      CALL CLOSE(OUTFILE);
84      1      ENDIF
85      0      STOP
86      0      *-----
87      0      PROC INIT;
88      1      I=1;
89      1      DO WHILE I LE MLINER;
90      2      BLANKS(I)=' ';
91      2      I=I+1;
92      2      ENDDO
93      1      BLANKS=MLINER;
94      1      HEAD=NULL;
95      1      FOOT=NULL;
96      1      FILLVAL=TRUE;
97      1      JUSTVAL=TRUE;
98      1      CURPAG=0;
99      1      NEWPAG=1;
100     1      LINENO=0;
101     1      PLVAL=66;      * Page length
102     1      M1VAL=2;
103     1      M2VAL=1;
104     1      M3VAL=1;
105     1      M4VAL=2;
106     1      BOTTOM=PLVAL-M3VAL-M4VAL;
107     1      INVAL=0;
108     1      LSVAL=1;
109     1      RMVAL=72;      * Right margin
110     1      TIVAL=0;
111     1      CEVAL=0;
112     1      ULVAL=0;
113     1      PPVAL=5;      * Paragraph indent
114     1      OUTP=0;
115     1      OUTW=0;
116     1      OUTWRDS=0;
117     1      DIRRT=FALSE;
118     1      ISTAT=TRUE;
119     1      RETURN
120     1      ENDPROC

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121 0 *-----

122 0 END

NO ERRORS DETECTED