

```
EEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFFFFFFFFFFFFFF
EEE                RRR        RRR FFF
EEE                RRR        RRR FFF
EEE                RRR        RRR FFF
EEE                RRR        RRR FFF
EEE                RRR        RRR FFF
EEE                RRR        RRR FFF
EEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFFFFFFFFFFFFFF
EEE                RRR    RRR FFF
EEE                RRR    RRR FFF
EEE                RRR    RRR FFF
EEE                RRR    RRR FFF
EEE                RRR    RRR FFF
EEE                RRR    RRR FFF
EEEEEEEEEEEEEEEE RRR                RRR FFF
EEEEEEEEEEEEEEEE RRR                RRR FFF
EEEEEEEEEEEEEEEE RRR                RRR FFF
```

OUT
COM
F
/
/
/
/
COM
F
E
C

```

000000  PPPPPPPP  NN      NN  000000  UU      UU  TTTTTTTTTT  FFFFFFFFFF  IIIIII  LL
000000  PPPPPPPP  NN      NN  000000  UU      UU  TTTTTTTTTT  FFFFFFFFFF  IIIIII  LL
00      00  PP      PP  NN      NN  00      00  UU      UU  TT      TT  FF      FF  .I      LL
00      00  PP      PP  NN      NN  00      00  UU      UU  TT      TT  FF      FF  II     LL
00      00  PP      PP  NNNN     NN  00      00  UU      UU  TT      TT  FF      FF  II     LL
00      00  PP      PP  NNNN     NN  00      00  UU      UU  TT      TT  FFFFFFFF  II     LL
00      00  PPPPPPPP  NN  NN  NN  00      00  UU      UU  TT      TT  FFFFFFFF  II     LL
00      00  PPPPPPPP  NN  NN  NN  00      00  UU      UU  TT      TT  FF      FF  II     LL
00      00  PP      NN      NNNN  00      00  UU      UU  TT      TT  FF      FF  II     LL
00      00  PP      NN      NNNN  00      00  UU      UU  TT      TT  FF      FF  II     LL
00      00  PP      NN      NN  00      00  UU      UU  TT      TT  FF      FF  II     LL
00      00  PP      NN      NN  00      00  UU      UU  TT      TT  FF      FF  II     LL
000000  PP      NN      NN  000000  UUUUUUUUUU  TT      TT  FFFFFFFF  IIIIII  LLLLLLLLLL  ....
000000  PP      NN      NN  000000  UUUUUUUUUU  TT      TT  FFFFFFFF  IIIIII  LLLLLLLLLL  ....

```

```

LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II     SS
LL      II     SS
LL      II     SS
LL      II     SS
LL      II     SSSSSS
LL      II     SSSSSS
LL      II     SS
LL      II     SS
LL      II     SS
LL      II     SS
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS

```

```
0001 C
0002 C Version: 'V04-000'
0003 C
0004 C*****
0005 C*
0006 C* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
0007 C* DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. *
0008 C* ALL RIGHTS RESERVED. *
0009 C*
0010 C* THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
0011 C* ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE *
0012 C* INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER *
0013 C* COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
0014 C* OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY *
0015 C* TRANSFERRED. *
0016 C*
0017 C* THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE *
0018 C* AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT *
0019 C* CORPORATION. *
0020 C*
0021 C* DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS *
0022 C* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
0023 C*
0024 C*
0025 C*****
0026 C
0027 C
0028 C
0029 C AUTHOR: Elliott A. Drayton CREATION DATE: 15-Dec-1982
0030 C
0031 C Functional description:
0032 C
0033 C
0034 C This module opens the file specified by OUTPUT FILE STRING.
0035 C If the open is successful then we returns to the caller,
0036 C else we signal the error and stop the image.
0037 C
0038 C
0039 C Modified by:
0040 C
0041 C V03-005 EAD0189 Elliott A. Drayton 6-Jul-1984
0042 C Remove LSTLUN from the parmeter list, it is in SYECOM.
0043 C
0044 C V03-004 EAD0131 Elliott A. Drayton 9-Apr-1984
0045 C Changed the carriage control from fortran to list.
0046 C
0047 C V03-003 EAD0003 Elliott A. Drayton 23-Aug-1983
0048 C Add an assignment for FORMS when SYSS$OUTPUT is not used.
0049 C
0050 C V03-002 EAD0002 Elliott A. Drayton 23-Jun-1983
0051 C Changed the default for FORMS to true.
0052 C
0053 C V03-001 EAD0001 Elliott A. Drayton 20-Jun-1983
0054 C Changed error message from SYE to ERF.
0055 C
0056 C**
0057 C
```

0058
0059
0060
0061
0189
0190
0191
0192
0193
0194
0195
0196
0197
0198
0199
0200
0201
0202
0203
0204
0205
0206
0207
0208
0209
0210
0211
0212
0213
0214
0215
0216
0217
0218
0219
0220
0221
0222
0223
0224
0225
0226
0227
0228
0229
0230
0231
0232
0233
0234
0235
0236
0237
0238
0239
0240
0241

```
Subroutine Open_out_file ( output_file_string )

Include 'SRCS:SYECOM.FOR/NOLIST'

Character*(*) output_file_string
Integer*4 output_file_string_length

Integer*4 fnum,rmssts,rmsstv,iunit,condval

Integer*4 Term_dev

Integer sys$output

External sys$output_open
External lstlun_open

Forms = .FALSE.

Printer = .FALSE.

Lstlun = 2

Term_dev = 4

Sys$output = 6

output_file_string_length = LEN (output_file_string)

open( unit = sys$output,
1 name = 'sys$output',
1 type = 'new',
1 access = 'sequential',
1 useropen = sys$output_open,
1 carriagecontrol = 'list')

if (output_file_string .ne. 'SYS$OUTPUT') then

Forms = .TRUE.
open( unit = lstlun,
1 name = output_file_string(1:output_file_string_length),
1 err = 200,
1 type = 'new',
1 access = 'sequential',
1 useropen = lstlun_open,
1 carriagecontrol = 'list')

IF (FORMS
1 .AND.
2 JIAND(DEV_CHAR,TERM_DEV) .EQ. 0) PRINTER = .TRUE.
ELSE

lstlun = sys$output

ENDIF
```

0001
0002
0003
0004
0005
0006
0007
0008
0009
0010
0011
0012
0013
0014
0015
0016
0017
0018
0019
0020
0021
0022
0023
0024
0025
0026
0027
0028
0029
0030
0031
0032
0033
0034
0035
0036
0037
0038
0039
0040
0041
0042
0043
0044
0045
0046
0047
0048
0049
0050
0051
0052
0053
0054
0055
0056
0057
0058
0059
0060
0061
0062
0063
0064
0065
0066
0067
0068
0069
0070
0071
0072
0073
0074
0075
0076
0077
0078
0079
0080
0081
0082
0083
0084
0085
0086
0087
0088
0089
0090
0091
0092
0093
0094
0095
0096
0097
0098
0099
0100
0101
0102
0103
0104
0105
0106
0107
0108
0109
0110
0111
0112
0113
0114
0115
0116
0117
0118
0119
0120
0121
0122
0123
0124
0125
0126
0127
0128
0129
0130
0131
0132
0133
0134
0135
0136
0137
0138
0139
0140
0141
0142
0143
0144
0145
0146
0147
0148
0149
0150
0151
0152
0153
0154
0155
0156
0157
0158
0159
0160
0161
0162
0163
0164
0165
0166
0167
0168
0169
0170
0171
0172
0173
0174
0175
0176
0177
0178
0179
0180
0181
0182
0183
0184
0185
0186
0187
0188
0189
0190
0191
0192
0193
0194
0195
0196
0197
0198
0199
0200
0201
0202
0203
0204
0205
0206
0207
0208
0209
0210
0211
0212
0213
0214
0215
0216
0217
0218
0219
0220
0221
0222
0223
0224
0225
0226
0227
0228
0229
0230
0231
0232
0233
0234
0235
0236
0237
0238
0239
0240
0241
0242
0243
0244
0245
0246
0247
0248
0249
0250
0251
0252
0253
0254
0255
0256
0257
0258
0259
0260
0261
0262
0263
0264
0265
0266
0267
0268
0269
0270
0271
0272
0273
0274
0275
0276
0277
0278
0279
0280
0281
0282
0283
0284
0285
0286
0287
0288
0289
0290
0291
0292
0293
0294
0295
0296
0297
0298
0299
0300
0301
0302
0303
0304
0305
0306
0307
0308
0309
0310
0311
0312
0313
0314
0315
0316
0317
0318
0319
0320
0321
0322
0323
0324
0325
0326
0327
0328
0329
0330
0331
0332
0333
0334
0335
0336
0337
0338
0339
0340
0341
0342
0343
0344
0345
0346
0347
0348
0349
0350
0351
0352
0353
0354
0355
0356
0357
0358
0359
0360
0361
0362
0363
0364
0365
0366
0367
0368
0369
0370
0371
0372
0373
0374
0375
0376
0377
0378
0379
0380
0381
0382
0383
0384
0385
0386
0387
0388
0389
0390
0391
0392
0393
0394
0395
0396
0397
0398
0399
0400
0401
0402
0403
0404
0405
0406
0407
0408
0409
0410
0411
0412
0413
0414
0415
0416
0417
0418
0419
0420
0421
0422
0423
0424
0425
0426
0427
0428
0429
0430
0431
0432
0433
0434
0435
0436
0437
0438
0439
0440
0441
0442
0443
0444
0445
0446
0447
0448
0449
0450
0451
0452
0453
0454
0455
0456
0457
0458
0459
0460
0461
0462
0463
0464
0465
0466
0467
0468
0469
0470
0471
0472
0473
0474
0475
0476
0477
0478
0479
0480
0481
0482
0483
0484
0485
0486
0487
0488
0489
0490
0491
0492
0493
0494
0495
0496
0497
0498
0499
0500

```

0242      return
0243
0244      200      Call ERRSNS (fnum,rmssts,rmsstv,iunit,condval)
0245
0246      If (rmssts .eq. 0) then
0247          Call LIB$INSV (3,0,3,condval)
0248          Call LIB$SIGNAL (%VAL(condval),%VAL(3),%VAL(iunit),
0249              1 output_file_string(1:output_file_string_length))
0250      Else
0251          Call LIB$INSV (3,0,3,rmssts)
0252          Call LIB$SIGNAL (%VAL(rmssts),%VAL(rmsstv))
0253      ENDIF
0254
0255      Print 9000
0256      9000      Format (1x, 'ERF-F-OPENERR, FATAL OPEN ERROR ON FILE')
0257
0258      Print 9010, output_file_string
0259      9010      Format (1x, a80)
0260
0261      Call exit
0262      end
    
```

PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	268	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	78	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	244	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3 SYECOM	44	PIC OVR REL GBL SHR NOEXE RD WRT LONG
Total Space Allocated	634	

ENTRY POINTS

Address	Type	Name
0-00000000		OPEN_OUT_FILE

VARIABLES

Address	Type	Name	Address	Type	Name
2-00000014	I*4	CONDVAL	3-00000012	L*1	CP-11750
3-00000011	L*1	CP-11780	3-00000013	L*1	CP-11722
3-00000014	L*4	CRYPTK_FLAG	3-00000000	I*4	DEV_CHAR
3-0000001E	L*1	END_VALUE	3-0000001D	L*1	EOF_FLAG
2-00000004	I*4	FNUM	3-00000004	L*4	FORMS
2-00000010	I*4	IUNIT	3-0000000C	L*1	LINES
3-00000027	I*4	I\$TLUN	3-0000001F	I*4	MAILBOX_CHANNEL
3-0000002B	CHAR	OPTIONS	AP-00000004	CHAR	OUTPUT_FILE_STRING
2-00000000	I*4	OUTPUT_FILE_STRING_LENGTH	3-00000008	L*4	PRINTER

3-00000000	I*4	RECCNT	3-00000023	I*4	RECORD_SIZE
2-00000008	I*4	RMSSTS	2-0000000C	I*4	RMSSTV
2-0000001C	I*4	SYSS\$OUTPUT	2-00000018	I*4	TERM_DEV
3-00000019	L*1	VALID_CLASS	3-0000001A	L*1	VALID_CPU
3-0000001B	L*1	VALID_ENTRY	3-0000001C	L*1	VALID_TYPE
3-00000018	L*1	VOLUME_OUTPUT			

LABELS

Address	Label	Address	Label	Address	Label
0-00000077	200	1-00000013	9000'	1-0000003F	9010'

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name	Type	Name
	FOR\$ERRSNS		FOR\$EXIT		FOR\$OPEN
	LIB\$INSV		LIB\$SIGNAL		LSTLUN_OPEN
	SYSS\$OUTPUT_OPEN				

COMMAND QUALIFIERS

FORTRAN /LIS=LIS\$:OPNOUTFIL/OBJ=OBJ\$:OPNOUTFIL MSRC\$:OPNOUTFIL

/CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
 /DEBUG=(NOSYMBOLS,TRACEBACK)
 /STANDARD=(NOSYNTAX,NOSOURCE FORM)
 /SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)
 /F77 /NOG_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE 'NOMACHINE_CODE /CONTINUATIONS=19

COMPILATION STATISTICS

Run Time: 1.85 seconds
 Elapsed Time: 5.87 seconds
 Page Faults: 113
 Dynamic Memory: 170 pages

The image displays a grid of 100 small terminal window screenshots, arranged in 10 rows and 10 columns. Each window shows a different screen from the VAX/VMS V4.0 software. The screens contain various data, including lists, tables, and graphical elements like bar charts. Some screens are clearly labeled with titles such as 'PADRIVER LIS', 'OUTPUT LIS', 'NEW RTN LIS', 'MT DISMT LIS', 'OPNOUTFIL LIS', and 'NEWFILE LIS'. Each window also displays a date and time stamp, typically '11:11:11'. The overall appearance is that of a dense collection of software output screens.