


```
BBBBBBBBB      AAAAAA      SSSSSSSS      CCCCCCCC      HH      HH      RRRRRRRR
BBBBBBBBB      AAAAAA      SSSSSSSS      CCCCCCCC      HH      HH      RRRRRRRR
BB      BB      AA      AA      SS      CC      HH      HH      RR      RR
BB      BB      AA      AA      SS      CC      HH      HH      RR      RR
BB      BB      AA      AA      SS      CC      HH      HH      RR      RR
BB      BB      AA      AA      SS      CC      HH      HH      RR      RR
BBBBBBBBB      AA      AA      SSSSSS      CC      HHHHHHHHHH      RRRRRRRR
BBBBBBBBB      AA      AA      SSSSSS      CC      HHHHHHHHHH      RRRRRRRR
BB      BB      AAAAAAAAAA      SS      CC      HH      HH      RR      RR
BB      BB      AAAAAAAAAA      SS      CC      HH      HH      RR      RR
BB      BB      AA      AA      SS      CC      HH      HH      RR      RR
BB      BB      AA      AA      SS      CC      HH      HH      RR      RR
BBBBBBBBB      AA      AA      SSSSSSSS      CCCCCCCC      HH      HH      RR      RR
BBBBBBBBB      AA      AA      SSSSSSSS      CCCCCCCC      HH      HH      RR      RR
.....
.....
.....
.....
```

```
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
LLLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLLL      IIIIII      SSSSSSSS
```



```

1 0001 0 MODULE BASSCHR (
2 0002 0 IDENT = '1-004' ! return unsigned byte as 1 char string
3 0003 0 ) = ! File: BASSCHR.B32
4 0004 1 BEGIN
5 0005 1
6 0006 1
7 0007 1
8 0008 1
9 0009 1 *
10 0010 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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27 0027 1 *
28 0028 1
29 0029 1
30 0030 1
31 0031 1 ++
32 0032 1 FACILITY: BASIC support library
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1
36 0036 1 Return unsigned byte integer as a one byte string
37 0037 1
38 0038 1 ENVIRONMENT: User mode, AST level or not or mixed
39 0039 1
40 0040 1 AUTHOR: R. Will, CREATION DATE: 23-feb-79
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1 R. Will, 23-Feb-79: VERSION 01
45 0045 1 01 - original
46 0046 1 1-002 - Change FILL_CHAR to STR$K FILL CHAR. JBS 09-APR-1979
47 0047 1 1-003 - Rename from BASSCHAR to BASSCHR. RW 21-MAY-79
48 0048 1 1-004 - String cleanup. Don't use $STR$ macros. 26-Oct-79
49 0049 1 --
50 0050 1 !<BLF/PAGE>

```

```

: 52 0051 1 !
: 53 0052 1 ! SWITCHES:
: 54 0053 1 !
: 55 0054 1 !
: 56 0055 1 SWITCHES ADDRESSING_MODE (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);
: 57 0056 1 !
: 58 0057 1 !
: 59 0058 1 ! LINKAGES:
: 60 0059 1 !
: 61 0060 1 !
: 62 0061 1 REQUIRE 'RTLIN:STRLNK'; ! Use require file with string linkage
: 63 0246 1 !
: 64 0247 1 !
: 65 0248 1 ! TABLE OF CONTENTS:
: 66 0249 1 !
: 67 0250 1 !
: 68 0251 1 FORWARD ROUTINE
: 69 0252 1     BASCHR : NOVALUE; ! Return integer as one char string
: 70 0253 1 !
: 71 0254 1 !
: 72 0255 1 ! INCLUDE FILES:
: 73 0256 1 !
: 74 0257 1 !
: 75 0258 1 REQUIRE 'RTLIN:RTLPSECT'; ! Declare PSECTS code
: 76 0353 1 !
: 77 0354 1 !
: 78 0355 1 ! MACROS: NONE
: 79 0356 1 !
: 80 0357 1 !
: 81 0358 1 !
: 82 0359 1 ! EQUATED SYMBOLS: NONE
: 83 0360 1 !
: 84 0361 1 !
: 85 0362 1 !
: 86 0363 1 ! PSECT DECLARATIONS
: 87 0364 1 !
: 88 0365 1 !
: 89 0366 1 DECLARE_PSECTS (BAS);
: 90 0367 1 !
: 91 0368 1 !
: 92 0369 1 ! OWN STORAGE: NONE
: 93 0370 1 !
: 94 0371 1 !
: 95 0372 1 !
: 96 0373 1 ! EXTERNAL REFERENCES
: 97 0374 1 !
: 98 0375 1 EXTERNAL ROUTINE STR$COPY_R_R8 : STR$JSB_COPY_R; ! copy to dest string
: 99 0376 1 !

```



```

101 0377 1 GLOBAL ROUTINE BASSCHR (
102 0378 1
103 0379 1     DEST_DESC,      ! integer to a 1 char string
104 0380 1     INTEGER) : NOVALUE = ! Pointer to dest str desc
105 0381 1
106 0382 1
107 0383 1
108 0384 1
109 0385 1
110 0386 1
111 0387 1
112 0388 1
113 0389 1
114 0390 1
115 0391 1
116 0392 1
117 0393 1
118 0394 1
119 0395 1
120 0396 1
121 0397 1
122 0398 1
123 0399 1
124 0400 1
125 0401 1
126 0402 1
127 0403 1
128 0404 1
129 0405 1
130 0406 1
131 0407 1
132 0408 1
133 0409 1
134 0410 1
135 0411 1
136 0412 1
137 0413 1
138 0414 1
139 0415 1
140 0416 2
141 0417 2
142 0418 2
143 0419 2
144 0420 2
145 0421 2
146 0422 2
147 0423 2
148 0424 1

```

GLOBAL ROUTINE BASSCHR (

DEST_DESC, ! integer to a 1 char string

INTEGER) : NOVALUE = ! Pointer to dest str desc

! Pointer to integer value

++

FUNCTIONAL DESCRIPTION:

Return unsigned byte integer \should this be signed, error if neg\
as a one byte 8-bit ASCII string according to the semantics of the
destination string. Range of input byte is 0 through 255.
Since output string is first argument, this can be called as either
a subroutine of two arguments, or a string function of one argument.

FORMAL PARAMETERS:

DEST_DESC.wt.dx pointer to destination string descriptor

INTEGER.rbu.v value of ASCII integer

IMPLICIT INPUTS:

NONE

IMPLICIT OUTPUTS:

NONE

ROUTINE VALUES:

COMPLETION CODES:

NONE

SIDE EFFECTS:

This routine JSBs to STR\$COPY\$R_R8 and therefore may signal any
of its errors or return any of its statuses. It may also
allocate or deallocate space for the destination string, and
lock that string from being written for a period of time.

--

BEGIN

MAP

DEST_DESC: REF BLOCK [8, BYTE],

INTEGER : BYTE;

STR\$COPY_R_R8 (DEST_DESC [0,0,0,0], 1, INTEGER); ! create the string

RETURN;

END; !End of BASSCHR

```

.TITLE BASSCHR
.IDENT \1-004\

.EXTRN STR$COPY_R_R8

.PSECT _BASSCODE,NOWRT, SHR, PIC,2

```


BASSCHR
1-004

M 6
16-Sep-1984 00:07:37
14-Sep-1984 11:54:47

VAX-11 Bliss-32 V4.0-742
[BASRTL.SRC]BASCHR.B32:1

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			01FC	00000
52	08	AC	9E	00002
51		01	D0	00006
50	04	AC	D0	00009
	00000000G	00	16	0000D
			04	00013

.ENTRY	BASSCHR, Save R2,R3,R4,R5,R6,R7,R8
MOVAB	INTEGER, R2
MOVL	#1, R1
MOVL	DEST_DESC, R0
JSB	STR\$COPY_R_R8
RET	

: 0377
: 0422
:
:
:
:
: 0424

; Routine Size: 20 bytes, Routine Base: _BAS\$CODE + 0000

BAS\$CHR
1-004

N 6
16-Sep-1984 00:07:37
14-Sep-1984 11:54:47

VAX-11 Bliss-32 V4.0-742
[BASRTL.SRC]BASCHR.B32:1

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: 150 0425 1 END
: 151 0426 0 ELUDOM

!End of module

PSECT SUMMARY

Name	Bytes	Attributes
:_BAS\$CODE	20	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS\$:BASCHR/OBJ=OBJ\$:BASCHR MSRC\$:BASCHR/UPDATE=(ENH\$:BASCHR)

: Size: 20 code + 0 data bytes
: Run Time: 00:02.5
: Elapsed Time: 00:06.6
: Lines/CPU Min: 10183
: Lexemes/CPU-Min: 32605
: Memory Used: 23 pages
: Compilation Complete

