


```

1 0001 0 %TITLE 'EDT$TIECHO - echo a character'
2 0002 0 MODULE EDT$TIECHO ( ! Echo a character
3 0003 0 IDENT = 'V04-000' ! File: TIECHO.BLI Edit: JBS1006
4 0004 0 ) =
5 0005 1 BEGIN
6 0006 1
7 0007 1 *****
8 0008 1 *
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26 0026 1 *
27 0027 1 *
28 0028 1 *****
29 0029 1
30 0030 1
31 0031 1 +-+
32 0032 1 FACILITY: EDT -- The DEC Standard Editor
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1
36 0036 1 Echo a character on the echo line.
37 0037 1
38 0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
39 0039 1
40 0040 1 AUTHOR: Bob Kushlis, CREATION DATE: June 9, 1979
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1 1-001 - Original. DJS 18-FEB-1981. This module was created by
45 0045 1 extracting routine EDT$$TI ECHOCH from module TINPUT.
46 0046 1 1-002 - Regularized headers. JBS 24-Feb-1981
47 0047 1 1-003 - Fix module name. JBS 11-Mar-1981
48 0048 1 1-004 - Modify for new error message coordination. SMB 24-Jun-1982
49 0049 1 1-005 - Don't update EDT$$G_PRV_COL, EDT$$FMT_CH is maintaining it. JBS 05-Oct-1982
50 0050 1 1-006 - Don't write into the parameter list. JBS 17-Jun-1983
51 0051 1 --
52 0052 1

```


EDT\$TIECHO
V04-000

EDT\$TIECHO - echo a character
Declarations

M 9
16-Sep-1984 01:55:38
14-Sep-1984 12:24:51

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```
: 54 0053 1 %SBTTL 'Declarations'  
: 55 0054 1 :  
: 56 0055 1 : TABLE OF CONTENTS:  
: 57 0056 1 :  
: 58 0057 1 :  
: 59 0058 1 REQUIRE 'EDTSRC:TRAROUNAM';  
: 60 0497 1 :  
: 61 0498 1 FORWARD ROUTINE  
: 62 0499 1 EDT$TI_ECHOCH : NOVALUE;  
: 63 0500 1 :  
: 64 0501 1 :  
: 65 0502 1 : INCLUDE FILES:  
: 66 0503 1 :  
: 67 0504 1 :  
: 68 0505 1 REQUIRE 'EDTSRC:EDTREQ';  
: 69 0640 1 :  
: 70 0641 1 :  
: 71 0642 1 : MACROS:  
: 72 0643 1 :  
: 73 0644 1 : NONE  
: 74 0645 1 :  
: 75 0646 1 : EQUATED SYMBOLS:  
: 76 0647 1 :  
: 77 0648 1 : NONE  
: 78 0649 1 :  
: 79 0650 1 : OWN STORAGE:  
: 80 0651 1 :  
: 81 0652 1 : NONE  
: 82 0653 1 :  
: 83 0654 1 : EXTERNAL REFERENCES:  
: 84 0655 1 :  
: 85 0656 1 : in the routine
```

```

: 87 0657 1 %SBTTL 'EDT$$TI_ECHOCH - echo a character'
: 88 0658 1
: 89 0659 1 GLOBAL ROUTINE EDT$$TI_ECHOCH (           ! Echo a character
: 90 0660 1     CHAR                               ! Character to echo
: 91 0661 1     ) : NOVALUE =
: 92 0662 1
: 93 0663 1 !++
: 94 0664 1 ! FUNCTIONAL DESCRIPTION:
: 95 0665 1
: 96 0666 1     Echo a character on the echo line.  If the character is a control character
: 97 0667 1     it is echoed as ^letter.  The echo flag is set to indicate that the line
: 98 0668 1     will need to be erased in the future.
: 99 0669 1
: 100 0670 1 FORMAL PARAMETERS:
: 101 0671 1
: 102 0672 1     CHAR                the character to be echoed.
: 103 0673 1
: 104 0674 1 IMPLICIT INPUTS:
: 105 0675 1
: 106 0676 1     EDT$$G_TIN_ECHOFLG
: 107 0677 1     EDT$$G_TIN_ECHOPOS
: 108 0678 1
: 109 0679 1 IMPLICIT OUTPUTS:
: 110 0680 1
: 111 0681 1     EDT$$G_TIN_ECHOFLG
: 112 0682 1     EDT$$G_TIN_ECHOPOS
: 113 0683 1
: 114 0684 1 ROUTINE VALUE:
: 115 0685 1
: 116 0686 1     NONE
: 117 0687 1
: 118 0688 1 SIDE EFFECTS:
: 119 0689 1
: 120 0690 1     NONE
: 121 0691 1
: 122 0692 1 --
: 123 0693 1
: 124 0694 2     BEGIN
: 125 0695 2
: 126 0696 2     EXTERNAL ROUTINE
: 127 0697 2     EDT$$FMT_CH,
: 128 0698 2     EDT$$OUT_FMTBUF,
: 129 0699 2     EDT$$SC_POSCSIF;
: 130 0700 2
: 131 0701 2     EXTERNAL
: 132 0702 2     EDT$$G_KPAD,           ! Are we in Keypad mode
: 133 0703 2     EDT$$G_MESSAGE_LINE, ! Echo line
: 134 0704 2     EDT$$G_TIN_ECHOFLG, ! Flag indicating character have been echoed
: 135 0705 2     EDT$$G_TIN_ECHOPOS; ! Position on the echo line
: 136 0706 2
: 137 0707 2     LOCAL
: 138 0708 2     CH;
: 139 0709 2
: 140 0710 3     IF (.EDT$$G_TIN_ECHOFLG EQL 0)
: 141 0711 2     THEN
: 142 0712 2 !+
: 143 0713 2 ! For nokeypad commands do the echoing on the first message line
```

```

: 144 0714 2 ! otherwise echo on the last message line.
: 145 0715 !-
: 146 0716
: 147 0717 IF ( NOT .EDT$$G_KPAD)
: 148 0718 THEN
: 149 0719 EDT$$SC_POSCSIF (.EDT$$G_MESSAGE_LINE, .EDT$$G_TIN_ECHOPOS)
: 150 0720 ELSE
: 151 0721 EDT$$SC_POSCSIF (.EDT$$G_MESSAGE_LINE + 1, .EDT$$G_TIN_ECHOPOS);
: 152 0722
: 153 0723 CH = .CHAR;
: 154 0724
: 155 0725 IF (.CH LSS %C' ')
: 156 0726 THEN
: 157 0727 BEGIN
: 158 0728 EDT$$FMT_CH (%C'^');
: 159 0729 EDT$$G_TIN_ECHOPOS = .EDT$$G_TIN_ECHOPOS + 1;
: 160 0730 CH = .CH + %C'@';
: 161 0731 END;
: 162 0732
: 163 0733 EDT$$FMT_CH (.CH);
: 164 0734 EDT$$OUT_FMTBUF ();
: 165 0735 EDT$$G_TIN_ECHOPOS = .EDT$$G_TIN_ECHOPOS + 1;
: 166 0736 EDT$$G_TIN_ECHOFLG = 1;
: 167 0737 END;

```

! of routine EDT\$\$TI_ECHOCH

.TITLE EDT\$TIECHO EDT\$TIECHO - echo a character
.IDENT \V04-000\

.EXTRN EDT\$\$FMT_CH, EDT\$\$OUT_FMTBUF
.EXTRN EDT\$\$SC_POSCSIF
.EXTRN EDT\$\$G_RPAD, EDT\$\$G_MESSAGE_LINE
.EXTRN EDT\$\$G_TIN_ECHOFLG
.EXTRN EDT\$\$G_TIN_ECHOPOS

.PSECT _EDT\$CODE, NOWRT, SHR, PIC, 2

			003C 00000	.ENTRY	EDT\$\$TI_ECHOCH, Save R2,R3,R4,R5	: 0659
55	00000000G	00	9E 00002	MOVAB	EDT\$\$G_TIN_ECHOFLG, R5	:
54	00000000G	00	9E 00009	MOVAB	EDT\$\$FMT_CH, R4	:
53	00000000G	00	9E 00010	MOVAB	EDT\$\$G_TIN_ECHOPOS, R3	:
		65	D5 00017	TSTL	EDT\$\$G_TIN_ECHOFLG	: 0710
		23	12 00019	BNEQ	3\$:
50		63	D0 0001B	MOVL	EDT\$\$G_TIN_ECHOPOS, R0	: 0719
52	00000000G	00	D0 0001E	MOVL	EDT\$\$G_MESSAGE_LINE, R2	:
06	00000000G	00	E8 00025	BLBS	EDT\$\$G_KPAD, 1\$: 0717
		50	DD 0002C	PUSHL	R0	: 0719
		52	DD 0002E	PUSHL	R2	:
		05	11 00030	BRB	2\$:
		50	DD 00032	PUSHL	R0	: 0721
		01	A2 9F 00034	PUSHAB	1(R2)	:
00000000G	00	02	FB 00037	CALLS	#2, EDT\$\$SC_POSCSIF	: 0723
	52	04	AC D0 0003E	MOVL	CHAR, CH	: 0725
	20		52 D1 00042	CMPL	CH, #32	:
		0D	18 00045	BGEQ	4\$:
	7E	5E	8F 9A 00047	MOVZBL	#94, -(SP)	: 0728
	64		01 FB 0004B	CALLS	#1, EDT\$\$FMT_CH	:

EDT\$TIECHO
V04-000

EDT\$TIECHO - echo a character
EDT\$\$TI_ECHOCH - echo a character

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	52	40	63	D6	0004E	INCL	EDT\$\$G_TIN_ECHOPOS	:	0729
			A2	9E	00050	MOVAB	64(R2), CH	:	0730
			52	DD	00054	PUSHL	CH	:	0733
	64		01	FB	00056	CALLS	#1, EDT\$\$FMT_CH	:	
00000000G	00		00	FB	00059	CALLS	#0, EDT\$\$OUT_FMTBUF	:	0734
			63	D6	00060	INCL	EDT\$\$G_TIN_ECHOPOS	:	0735
	65		01	D0	00062	MOVL	#1, EDT\$\$G_TIN_ECHOFLG	:	0736
			04	00065	RET			:	0737

; Routine Size: 102 bytes, Routine Base: _EDT\$CODE + 0000

; 168 0738 1
; 169 0739 1 !<BLF/PAGE>

EDT\$TIECHO
V04-000

EDT\$TIECHO - echo a character
EDT\$STI_ECHOCH - echo a character

D 10
16-Sep-1984 01:55:38
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: 171
: 172
: 173

0740 1 END
0741 1
0742 0 ELUDOM

! of module EDT\$TIECHO

PSECT SUMMARY

Name Bytes Attributes
_EDT\$CODE 102 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	0	0	40	00:00.2
_\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:TIECHO/OBJ=OBJ\$:TIECHO MSRC\$:TIECHO.BLI/UPDATE=(ENH\$:TIECHO)

: Size: 102 code + 0 data bytes
: Run Time: 00:10.7
: Elapsed Time: 00:13.4
: Lines/CPU Min: 4156
: Lexemes/CPU-Min: 11165
: Memory Used: 68 pages
: Compilation Complete

SCRUPDATM
LIS

STARTED
LIS

TISAVE
LIS

SETCOMMAN
LIS

TIAUTO
LIS

TIDELETE
LIS

TILINE
LIS

TRACEMAC
LIS

UFBUFFER
LIS

SCRZAPSIN
LIS

UEXCASE
LIS

SCRUPDATM
LIS

TITYPAHD
LIS

TSTKEYDEF
LIS

TICLAUD
LIS

SUPPORTS
LIS

TICHR
LIS

TIECHO
LIS

TRAROUNM
LIS

TRANSLATE
LIS

UFSTRING
LIS

SYSUAX
LIS

SCRWID
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