ASCII Code(Hex table)

00 NUL	10 DLE	20 SP	30 0	40 @	50 P	60 `	70 p
01 SOH	11 DC1	21!	31 1	41 A	51 Q	61 a	71 q
02 STX	12 DC2	22 "	32 2	42 B	52 R	62 b	72 r
03 ETX	13 DC3	23 #	33 3	43 C	53 S	63 c	73 s
04 EOT	14 DC4	24 \$	34 4	44 D	54 T	64 d	74 t
05 ENQ	15 NAK	25 %	35 5	45 E	55 U	65 e	75 u
06 ACK	16 SYN	26 &	36 6	46 F	56 V	66 f	76 v
07 BEL	17 ETB	27 '	37 7	47 G	57 W	67 g	77 w
08 BS	18 CAN	28 (38 8	48 H	58 X	68 h	78 x
09 HT	1 9 EM	29)	39 9	49	59 Y	69 i	79 y
OA LF	1A SUB	2A *	3A:	4A J	5A Z	6А ј	7A z
OB VT	1B ESC	2B +	3B;	4B K	5B [6B k	7B {
OC FF	1C FS	2C 1	3C <	4C L	5C \	6C I	7C
OD CR	1D GS	2D -	3D =	4D M	5D]	6D m	7D }
OE SO	1E RS	2E .	3E >	4E N	5E ^	6E n	7E ~
OF SI	1F US	2F /	3F ?	4F O	5F_	6F o	7F DEL

Converting Enter value to ASCII code Enter value 45 6E 74 65 72 20 76 61 6C 75 65 3A nibble - 4 bits byte - 8 bits word - 2 bytes- 16 bit double word - 4 bytes - 32 bit

1 hex value - 4 bits 2 hex values - 8 bits - 1 byte

Finding 2 compliment

1> if you have a positive number then there will be no need to find 2 compliment

2> If we want to find negative value of number we need to 2 compliment

4 double word 00000004 word -0004 byte - 04

 Interpret 2's complement to decimal 1> check the value in the first position whether it is 1 or 0 1 indicate negative 0 indicate positive

2's compliment value - 0000f3e1 if we observe the first value 0 - 0000 ----->positive for positive numbers we don't do any process, we directly convert them

0000f3e1-----> 62433

2's compliment value - FFFFFFC if we observe the first position F=1111 -----> negative as it indicates negative number, it indicates we have done 2's compliment process

 1/00/

For unsigned num there will be no sign so we can directly convert them no need to check whether number is positive or not

unsigned: FF FE

FF FE ---- > 65534