

BX(Base register): This register is commonly used as a pointer to data in memory. Like Ax it also 16 bit register that can be split into Bh (High byte) & Low byte.

Assembler is a software tool that translates assembly language code into machine code, which is the binary code that a computer CPU can execute directly.

Hexadecimal (base16) notation, the digits range from 0-9 and then from A to F. Hexadecimal does not include letters beyond F(G-Z) because it is a base 16system and only requires 16 symbols.

Extended Binary Coded Decimal Interchange Code (EBCDIC)

Best thing to know that won't stress you

F0-F9 is 0-9

Upper case A-Z

E1: is used for control character (Specifically the "Not Sign")

OX is commonly used to indicate that the number following it is in hexadecimal (basic16) format.

IBM mainframe refers to classs of high performance computer made by (international business machines corporation) dis signed for large scale computing purposes

Hexadecimal	to Binary	Conversion Table	
0		0000	
1		0001	
2		0010	
3		0011	
4		0100	
5		0101	
6		0110	
7		0111	
8		1000	
9		1001	
A		1010	

B	1011
C	1100
D	1101
E	1110
F	1111

Dec	Hex	Char
64	40	@
65	41	A
66	42	B
67	43	C
68	44	D
69	45	E
70	46	F
71	47	G
72	48	H
73	49	
74	4A	

88	58	X
89	59	Y
90	5A	Z
91	5B	[
92	5C	
93	5D]
94	5E	^
95	5F	
96	60	-
97	61	a
98	62	b
99	63	c
100	64	d
101	65	e
102	66	f
103	67	g
104	68	h
105	69	-
106	6A	
107	6B	
108	6C	1
109	6D	m
110	6E	n
111	6F	o
112	70	p
113	71	q
114	72	r
115	73	s
116	74	t
117	75	u
118	76	v

119	77	W	
120	78	x	
121	79	y	
122	7A	Z	
123	7B	{	
124	7C		
125	7D		
126	7E	~	
32	20		
33	21		
34	22	1	1
35	23	#	
36	24	\$	
37	25	%	
38	26		&
39	27		
40	28	(
41	29)	
42	2A		*
43	2B		+
44	2C		
45	2D	-	
46	2E		
47	2F	/	
48	30	0	
49	31	1	
50	32	2	
51	33	3	
52	34	4	
53	35	5	

69	45	E	
70	46	F	
71	47	G	
72	48	H	
73	49	1	
74	4A		
75	4B	K	
76	4C	L	
77	4D	M	
78	4E	N	
79	4F	O	
80	50		P
81	51	Q	
82	52	R	
83	53	S	
84	54		T
85	55		U
86	56		V
87	57	W	
88	58		X
89	59		Y
90	5A		Z
91	5B		
92	5C		
93	5D		
94	5E	^	
95	5F		
96	60		
97	61	a	
98	62		b
99	63	C	
100	64	d	
101	65	e	
102	66		f
103	67		g
104	68		h
105	69		i
106	6A		
107	6B		K
108	6C		1
109	6D		m

110	6E		n
111	6F		o
112	70		p
113	71		q
114	72		r
115	73		s
116	74		t
117	75		u
118	76		v
119	77		w
120	78		x
121	79		y
122	7A		z
123	7B	{	
124	7C		
125	7D		
126	7E		
127	7F		