



QUIZ# 1 Form A

Write an assembly language program to print all letters of your first name as follows:

EIHAB

Note: To print a character on the screen you have to use the **int 21h** with the **service 2**

Dec	Hx	Oct	Html	Chr	Dec	Hx	Oct	Html	Chr
64	40	100	@	@	96	60	140	`	`
65	41	101	A	A	97	61	141	a	a
66	42	102	B	B	98	62	142	b	b
67	43	103	C	C	99	63	143	c	c
68	44	104	D	D	100	64	144	d	d
69	45	105	E	E	101	65	145	e	e
70	46	106	F	F	102	66	146	f	f
71	47	107	G	G	103	67	147	g	g
72	48	110	H	H	104	68	150	h	h
73	49	111	I	I	105	69	151	i	i
74	4A	112	J	J	106	6A	152	j	j
75	4B	113	K	K	107	6B	153	k	k
76	4C	114	L	L	108	6C	154	l	l
77	4D	115	M	M	109	6D	155	m	m
78	4E	116	N	N	110	6E	156	n	n
79	4F	117	O	O	111	6F	157	o	o
80	50	120	P	P	112	70	160	p	p
81	51	121	Q	Q	113	71	161	q	q
82	52	122	R	R	114	72	162	r	r
83	53	123	S	S	115	73	163	s	s
84	54	124	T	T	116	74	164	t	t
85	55	125	U	U	117	75	165	u	u
86	56	126	V	V	118	76	166	v	v
87	57	127	W	W	119	77	167	w	w
88	58	130	X	X	120	78	170	x	x
89	59	131	Y	Y	121	79	171	y	y
90	5A	132	Z	Z	122	7A	172	z	z
91	5B	133	[[123	7B	173	{	{
92	5C	134	\	\	124	7C	174	|	
93	5D	135]]	125	7D	175	}	}
94	5E	136	^	^	126	7E	176	~	~
95	5F	137	_	_	127	7F	177		DEL

Source: www.LookupTables.com

Solution:

```
Dosseg  
.model small  
.code  
main:  
mov ax,@data  
mov ds,ax  
  
mov ah,2  
mov dl,45h ;E  
int 21h  
mov dl,49h ;I  
int 21h  
mov dl,48h ;H  
int 21h  
mov dl,41h ;A  
int 21h  
mov dl,42h ;B  
int 21h  
  
mov ah,4ch  
int 21h  
end main
```