18 august

String print:

1. Print with print function:

include "emu8086.inc"

.model small

.stack 100h

.data

.code

main proc

print "Mahadi Hasan Munna"

main endp

end main

1. String print:

.model small

.stack 100h

.data

name1 db "Mahadi Hasan Munna$"

.code

main proc

mov ax,@data

mov ds,ax

lea bx,name1

mov ah,9

mov dx,bx

int 21h

main endp

end main

1. String print with new line:

.model small

.stack 100h

.data

name1 db "Mahadi Hasan Munna$"

name2 db "Moniruzzaman Monir$"

.code

main proc

mov ax,@data

mov ds,ax

lea bx,name1

lea cx,name2

mov ah,9

mov dx,bx

int 21h

mov ah,2

mov dl,0ah

int 21h

mov dl,0dh

int 21h

mov ah,9

mov dx,cx

int 21h

main endp

end main

1. User input

.model small

.stack 100h

.data

msg db "Enter a number: $"

.code

main proc

mov ax,@data ;take data segment in code segment

mov ds,ax

lea bx,msg

mov ah,9 ;use for print string

mov dx,bx

int 21h

mov ah,1 ;use for user input

int 21h

mov bh,al

mov ah,2 ;use for print output

mov dl,0ah ;use for newline

int 21h

mov dl,0dh ;use for carries return

int 21h

mov ah,2

mov dl,bh

int 21h

main endp

end main

25 august:

1. Addition:

.model small

.stack 100h

.data

.code

main proc

mov ah,1

int 21h

mov bl,al ;data store in al

sub bl,48

int 21h

mov bh,al

sub bh,48

int 21h

mov cl,al

sub cl,48

add bl,bh

add bl,cl

add bl,48

mov ah,2

mov dl,bl

int 21h

main endp

end main

1. Subtraction:

.model small

.stack 100h

.data

.code

main proc

mov ah,1

int 21h

mov bl,al

sub bl,48

int 21h

mov cl,al

sub cl,48

sub bl,cl

add bl,48

mov ah,2

mov dl,bl

int 21h

main endp

end main

1. increment:

.model small

.stack 100h

.data

.code

main proc

mov ah,1

int 21h

mov bl,al

inc bl

mov ah,2

mov dl,bl

int 21h

main endp

end main

1. decrement:

.model small

.stack 100h

.data

.code

main proc

mov ah,1

int 21h

mov bl,al

dec bl

mov ah,2

mov dl,bl

int 21h

main endp

end main

1. negation:

.model small

.stack 100h

.data

.code

main proc

mov ah,1

int 21h

mov bl,al

neg bl

mov ah,2

mov dl,bl

int 21h

main endp

end main

1 september:

1. jump:

.model small

.stack 100h

.data

.code

main proc

mov ah,1

int 21h

mov bl,al

jmp print

neg bl

print:

mov ah,2

mov dl,bl

int 21h

main endp

end main