

```

input macro
mov ah,01h
int 21h
endm
output macro
mov ah,02h
int 21h
endm
disp macro var
lea dx,var
mov ah,09h
int 21h
endm
.model small
.stack 100h
.data
m0 db 10,13,"Samiksha Pandit SYITB88$"
m1 db 10,13,"Enter array size$"
m2 db 10,13,"Enter number$"
m3 db 10,13,"Addition$"
m4 db 10,13,"$"
array db 10 dup(0)
count db 0
.code
mov ax,@data
mov ds,ax
disp m0
lea si,array
disp m1
input
sub al,30h
mov count,al
mov cl,count
disp m4
s1: disp m2
input
mov [si],al
inc si
loop s1
disp m4
disp m3
mov ax,0000H
mov cl,count
lea si,array
s2: add al,[si]
sub al,30H
inc si
loop s2
mov ch,02H
mov cl,04H
mov bl,al
s3: rol bl,cl
mov dl,bl
and dl,0FH
cmp dl,09; dl=dl-09
jbe s4
add dl,07
s4: add dl,30H

```

```
output
dec ch
jnz s3
mov ah,4CH
int 21H
end
```

OUTPUT:

```
C:\>link ass12.obj

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Run File [ASS12.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:

C:\>debug ass12.exe
-g

Samiksha Pandit SYITB88
Enter array size6

Enter number3
Enter number2
Enter number4
Enter number1
Enter number9
Enter number8

Addition1B
Program terminated normally
-S
```