

1. Write a assembly language program to print your name on the screen.

```
data SEGMENT
msg DB "Nageshwar $"
data ends
code segment
Assume CS: code, DS: code
start:
move ax, data
move ds, ax
mov ah, 9
mov ds, bx
mov dx, offset msg
int 21h
code ends
end start
```



2. Write Assembly language program to print the numbers from 9 back to 0

```
code segment
assume cs: code
start:
mov cx, 9
next: mov ah, 2
mov al, cx
add al, 48
mov dl, al
int 21h
loop next
mov ax, 4c00h
int 21h
code ends
end start
```

3. Write a Assembly language program to convert a given alphabet from lower case to upper case

```
code segment
assume cs: code
start:
mov ah, 1
int 21h
sub al, 20h
```



mov ah, 2  
 mov dl, al  
 int 21h  
 mov ax, 4C00h  
 int 21h  
 code ends  
 end star

- ④ Write Assembly language program to sum five numbers and display the sum on the screen.

```

section .data
prompt db 'Enter a number: ', 0Ah
sum-format db '%d', 0Ah,
section .bss
buffer resd 5
sum resd 1
section .text
global _start
_start:
    mov ecx, 5
read-input:
    push ecx
    push ebx
    mov ecx, 4,
    mov edx, prompt
    int 0x80
    pop ebx
  
```



```

pop ecx
mov eax, 3
mov edx, 1
add - loop
mov ebx, 0
mov esi, ecx
mov ecx, esi
int 0x80
cmp byte [ecx-1], 0Ah
jnc add-loop
loop add-input
movl ebx, buffer
movl eax, 0

```