Riphah International University

Babar Ali

65731

3rd Semester

Computer Organization & AL

Lab 4

Task1

```
dosseg
.model small
.stack 100h
.data
msg1 db 'BSAI-65731$'
msg2 db 'BABAR$'
.code
main proc
mov ax,@data
mov ds,ax
mov dx,offset msg1
mov ah,9
int 21h
mov dx,10
mov ah,2
int 21h
mov dx,13
mov ah,2
int 21h
mov dx,offset msg2
mov ah,9
int 21h
```

Commands for manipulating files

```
C:\>edit T1_L4_65731,asm

C:\>edit T1_L4_65731.asm

C:\>edit T4_L4_65731.asm

C:\>edit T4_L4_65731.asm

C:\>masm T4_L4_65731.asm
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981-1985, 1987.  All rights reserved.

Object filename [T4_L4_65731.OBJ]:
Source listing   [NUL.LST]:
Cross-reference [NUL.CRF]:

  51640 + 464904 Bytes symbol space free

      0 Warning Errors
      0 Severe  Errors

C:\>T4_L4_65731.exe
BSAI-65731
BABAR
C:\>
```

Task2


```
dosseg
.model small
.stack 100h
.data
.code
main proc
mov ah,1
int 21h
sub al,48
mov bl,al
mov ah,2
int 21h
mov ah,1
int 21h
sub al,48
add bl,al
add bl,48
mov dl,bl
mov ah,2
int 21h
mov ah,4ch
int 21h
```

Commands for manipulating files

```
Microsoft (R) Overlay Linker  Version 3.60
Copyright (C) Microsoft Corp 1983-1987.  All rights reserved.

Run File [T5_L4_65731.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:

C:\>T5_L4_65731.exe

σ
C:\>T5_L4_65731.exe
4fl8<
C:\>T5_L4_65731.exe
5fl7<
C:\>T5_L4_65731.exe
2fl13
C:\>T5_L4_65731.exe
1fl12
C:\>edit T5_L4_65731.asm\

C:\>T5_L4_65731.exe
αflH↑
C:\>T5_L4_65731.exe
1fl12
C:\>
```