NAME: MUHAMMAD ZOHAIB KHAN
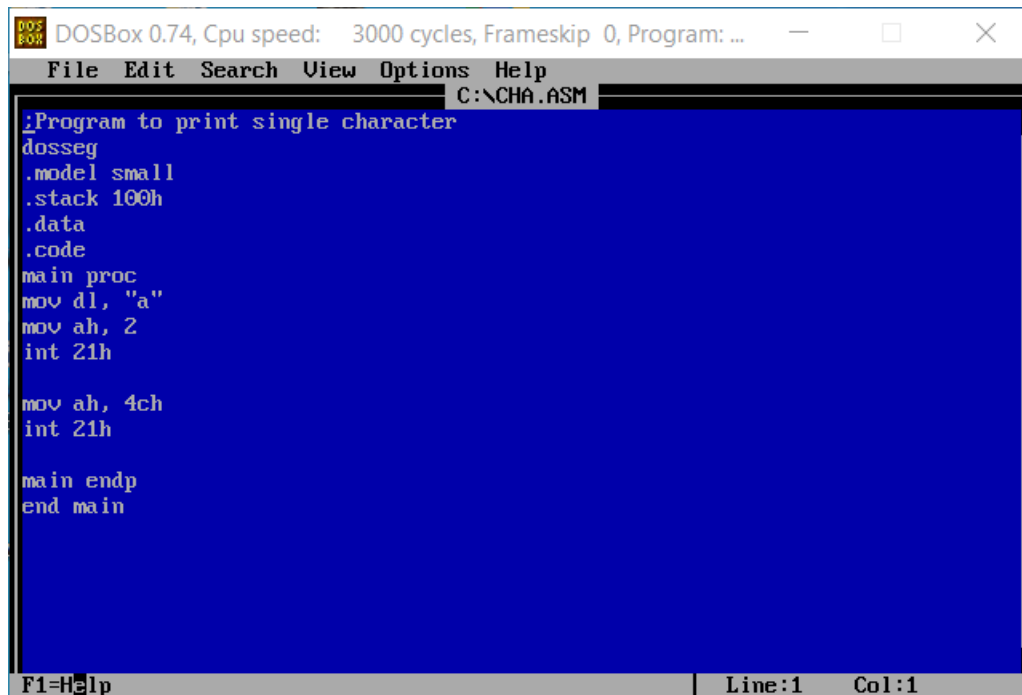

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SEAT NO : B21110106061

Class : BSSE (4th SEMESTER)

COURSE: ASSEMBLY LANGUAGE

Program 1: Program to print a single character on screen
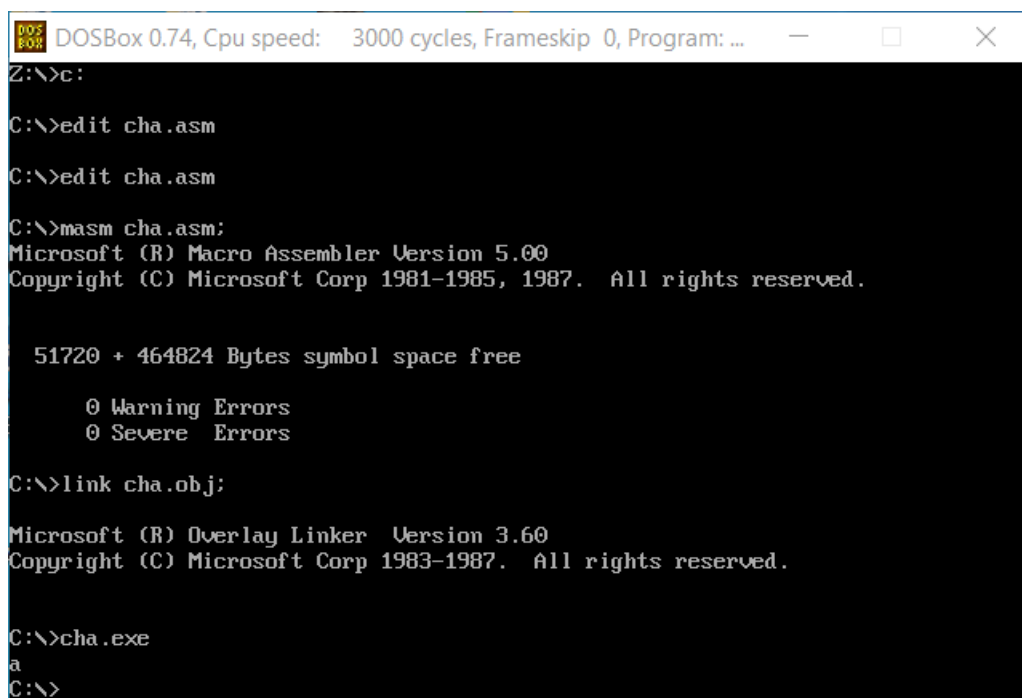


```
;Program to print single character
dosseg
.model small
.stack 100h
.data
.code
main proc
mov dl, "a"
mov ah, 2
int 21h

mov ah, 4ch
int 21h

main endp
end main
```

Output:


```
Z:\>c:

C:\>edit cha.asm

C:\>edit cha.asm

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


  51720 + 464824 Bytes symbol space free

      0 Warning Errors
      0 Severe  Errors

C:\>link cha.obj;

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


C:\>cha.exe
a
C:\>
```
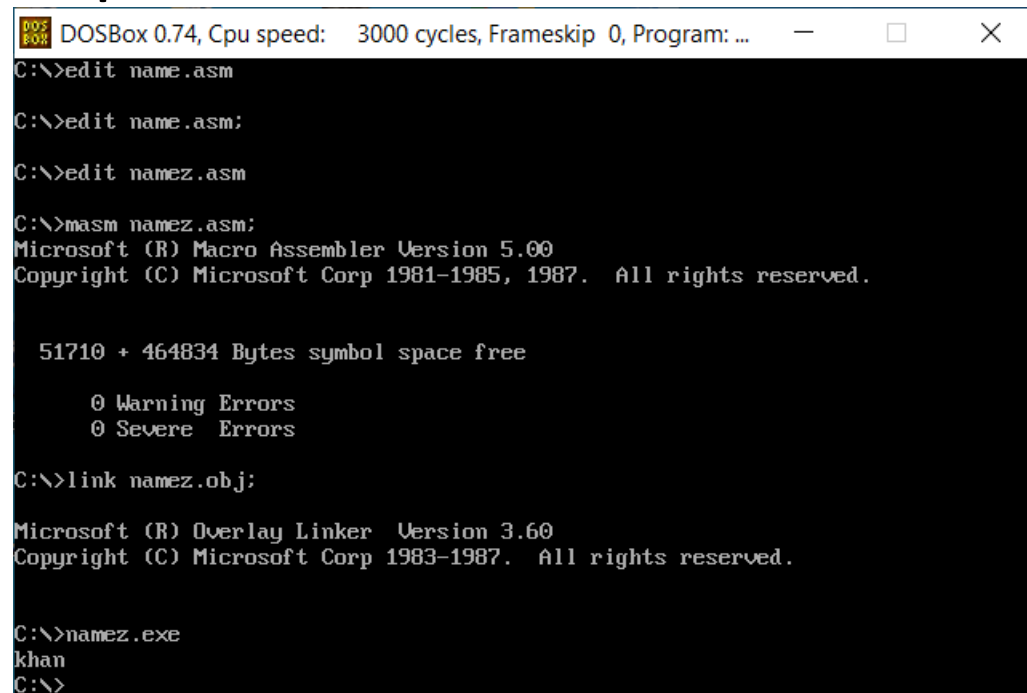
Program2: Program to print name with Character.

```
File   Edit   Search   View   Options   Help
                    C:\NAMEZ.ASM
;program to print single character

dosseg
.model small
.stack 100h
.data
.code
main proc
mov dl, "k"
mov ah, 2
int 21h

mov dl, "h"
mov ah, 2
int 21h

mov dl, "a"
mov ah, 2
int 21h

mov dl, "n"
mov ah, 2
```
F1=Help   Line:1   Col:1

```
File   Edit   Search   View   Options   Help
                    C:\NAMEZ.ASM
mov ah, 2
int 21h

mov dl, "h"
mov ah, 2
int 21h

mov dl, "a"
mov ah, 2
int 21h

mov dl, "n"
mov ah, 2
int 21h

mov ah,4ch
int 21h
main endp
end main
```
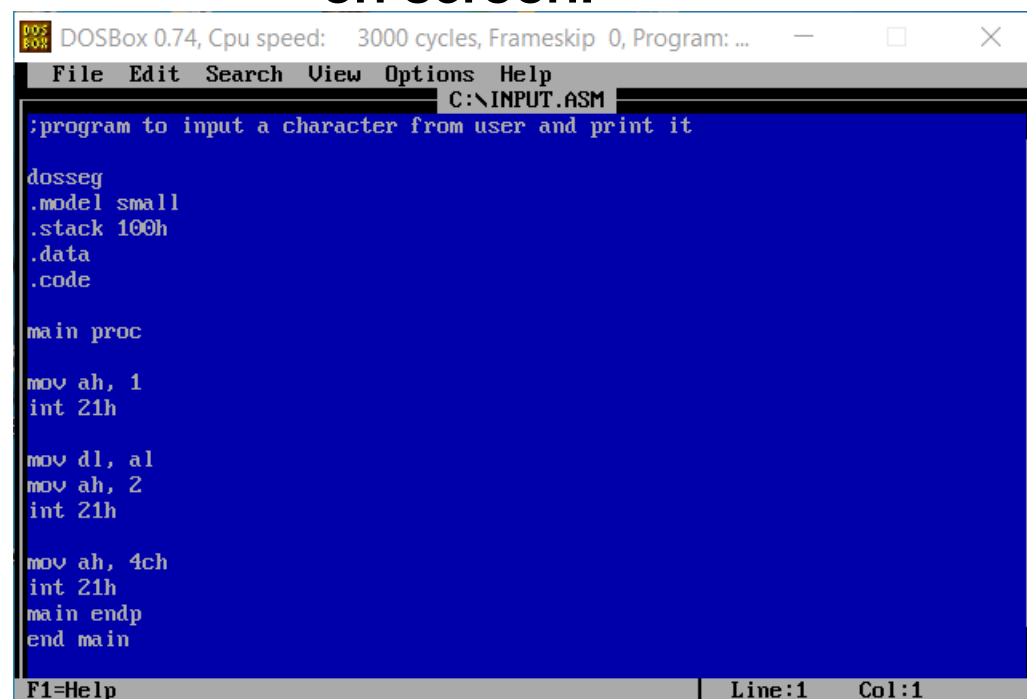Commands for manipulating files

Output:


```
C:\>edit name.asm

C:\>edit name.asm;

C:\>edit namez.asm

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


  51710 + 464834 Bytes symbol space free

      0 Warning Errors
      0 Severe  Errors

C:\>link namez.obj;

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


C:\>namez.exe
khan
C:\>_
```

Program 3:   Program to input a character and print on screen.


```
;program to input a character from user and print it

dosseg
.model small
.stack 100h
.data
.code

main proc

mov ah, 1
int 21h

mov dl, al
mov ah, 2
int 21h

mov ah, 4ch
int 21h
main endp
end main
```
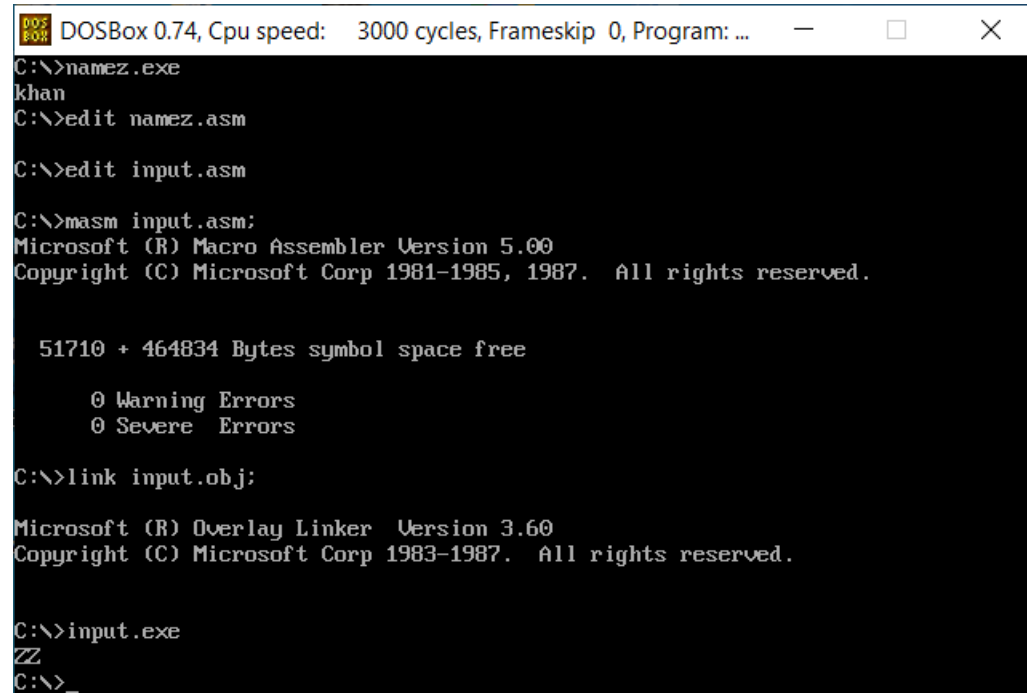
Output:


```
C:\>namez.exe
khan
C:\>edit namez.asm

C:\>edit input.asm

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


  51710 + 464834 Bytes symbol space free

      0 Warning Errors
      0 Severe  Errors

C:\>link input.obj;

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


C:\>input.exe
ZZ
C:\>_
```