

Important Software Interrupts

Set Cursor Position:

```
mov ah, 02h
mov bh, 0
mov dh, 10 ; Row 10
mov dl, 20 ; Column 20
int 10h
```

Write String at Cursor Position (In Default Colour):

```
mov dx, msg
mov ah, 09h
int 21h
```

```
msg: db 'Hello!','$'
```

Write String (In Any Colour):

```
message: db 'Hello World'
```

```
start:
mov ah, 13h    ; service 13 - print string
mov al, 1      ; subservice 01 - update cursor
mov bh, 0      ; output on page 0
mov bl, 07h    ; normal attrib
mov dx, 0A03h  ; row 10 column 3
mov cx, 11     ; length of string
push cs
pop es         ; segment of string
```

```
mov bp, message ; offset of string
int 10h          ; call BIOS video service
```

Take Input:

```
mov si, userInput

input:
    mov ah, 1
    int 21h

    cmp al, 13
    je end

    mov [si], al
    inc si

    jmp input

end:
    mov byte [si], 0

userInput: db 0
```

Wait for any Key press:

```
mov ah, 0
int 16h

; Keystroke is saved in 'al'
```