

# **Assembly language Lab**

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**Submitted by:**

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# 1. Input String

```
.MODEL SMALL
.STACK 100H
.DATA

.CODE
MAIN PROC
    MOV DI,1000H
    MOV AH,01H
    STRINGinput:
    INT 21H
    CMP AL,0DH
    JE END
    MOV [DI],AL
    INC DI
    JMP STRINGinput

    END:
    MOV AH, 4CH
    INT 21H
```

```
MAIN ENDP
END MAIN
```

# 2. Take 3 input & print in 3 new lines

```
.MODEL SMALL
.STACK 100H
.CODE
MAIN PROC
    MOV AH,01
    INT 21H
    MOV BH,AL

    MOV AH,01
    INT 21H
    MOV CH,AL

    MOV AH,01
    INT 21H
    MOV DH,AL

    MOV AH,02
    MOV DL,13
    INT 21H    ;NEW LINE
    MOV DL,10
    INT 21H

    MOV AH,02
```

```
MOV DL,13
INT 21H    ;NEW LINE
MOV DL,10
INT 21H
```

```
MOV AH,02
MOV DL,BH
INT 21H
```

```
MOV AH,02
MOV DL,13
INT 21H    ;NEW LINE
MOV DL,10
INT 21H
```

```
MOV AH,02
MOV DL,13
INT 21H    ;NEW LINE
MOV DL,10
INT 21H
```

```
MOV AH,02
MOV DL,CH
INT 21H
```

```
MOV AH,02
MOV DL,13
INT 21H    ;NEW LINE
MOV DL,10
INT 21H
```

```
MOV AH,02
MOV DL,13
INT 21H    ;NEW LINE
MOV DL,10
INT 21H
```

```
MOV AH,02
MOV DL,DH
INT 21H
```

```
EXIT:
MOV AH,4CH
INT 21H
MAIN ENDP
```

```
END MAIN
```