

1. Practice Code of Multiplication and print the Product
Code:

```
DOSSEG
.MODEL SMALL
.STACK 100H
.DATA
.CODE
MAIN PROC
MOV AL,2
MOV BL,4
MUL BL
AAM
MOV CH,AH
MOV CL,AL
MOV AL,CH
ADD DL,48
MOV AH,2
INT 21H
MOV DL,CL
ADD DL,48
MOV AH,2
INT 21H
MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```

Result:

```
C:\>LAB10.EXE
T8
```

2. Program to print A to Z in capital letters using loop

Code:

```
DOSSEG
.MODEL SMALL
.STACK 100H
.DATA
.CODE
MAIN PROC
MOV CX,26
MOV DX,65
L1:
MOV AH,2
INT 21H
INC DX
LOOP L1
MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```

Result:

```
C:\>LAB10.EXE
ABCDEFGHIJKLMNOPQRSTUVWXYZ
```

3. Program to input a capital letter from user and convert it into small letter (uppercase to lowercase)

Code:

```
DOSSEG
.MODEL SMALL
.STACK 100H
.DATA
.CODE
MAIN PROC
MOV AH,1
INT 21H
MOV DL,AL
ADD DL,32
MOV AH,2
INT 21H
MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```

Result:

```
C:\>LAB10.EXE
Bb
```

4. Program to input String from user and print its length

Code:

```
DOSSEG
.MODEL SMALL
.STACK 100H
.DATA
VAR1 DB 100 DUP('$')
.CODE
MAIN PROC
MOV AX,@DATA
MOV DS,AX
MOV BL,0
MOV SI,OFFSET VAR1
L1:
MOV AH,1
INT 21H
CMP AL,13
JE L2
MOV [SI],AL
INC SI
INC BL
JMP L1
L2:
MOV DL,BL
MOV AH,2
ADD DL,48
INT 21H
MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```

Result:

```
C:\>LAB10.EXE
ABC
3
```