

Q1. Nested Loops

Code:

```
DOSSEG
.MODEL SMALL
.STACK 100H
.DATA
.CODE
MAIN PROC
MOV AX,@DATA
MOV DS,AX
MOV BX,1
MOV CX,5
L1:
PUSH CX
MOV CX,BX
L2:
MOV DL,'*'
MOV AH,2
INT 21H
LOOP L2
MOV DL,10
MOV AH,2
INT 21H
MOV DL,13
```

```
MOV AH,2
INT 21H
INC BL
POP CX
LOOP L1
MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```

Output:

```
C:\>LAB8.EXE
*
**
***
****
*****
*****
```

Q2. Procedure

Code:

```
DOSSEG
.MODEL SMALL
.STACK 100H
.DATA
STR1 DB 'SHINZOU$'
STR2 DB 'WO$'
STR3 DB 'SASAGEYO$'
.CODE
MAIN PROC
MOV AX,@DATA
MOV DS,AX
MOV DX,OFFSET STR1
MOV AH,9
INT 21H
CALL ENTERKEY
MOV DX,OFFSET STR2
MOV AH,9
INT 21H
CALL ENTERKEY
MOV DX,OFFSET STR3
MOV AH,9
INT 21H
```

```
MOV AH,4CH
INT 21H
MAIN ENDP
ENTERKEY PROC
MOV DX,10
MOV AH,2
INT 21H
MOV DX,13
MOV AH,2
INT 21H
RET
ENTERKEY ENDP
END MAIN
MAIN ENDP
END MAIN
```

Output:

```
C:\>LAB8.EXE
SHINZOU
WO
SASAGEYO
```

Q3. Macro

Code:

```
DOSSEG
PRINT MACRO P1
MOV DX,OFFSET P1
MOV AH,9
INT 21H
ENDM
.MODEL SMALL
.STACK 100H
.DATA
STR1 DB 'YARE YARE$'
STR2 DB ' DAZE$'
.CODE
MAIN PROC
MOV AX,@DATA
MOV DS,AX
PRINT STR1
PRINT STR2
MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```

Output:

```
C:\>LAB8.EXE
YARE YARE DAZE
```