

JOY KARMOKAR (18-39263-3)

CLASS LAB TEST-1

LAB-1

COA (I)

INCLUDE "emu8086.inc"

.MODEL SMALL

.STACK 100H

.CODE

MAIN PROC

PRINT "ENTER ACADEMIC YEAR (1, OR 2, OR 3):"

MOV AH,1

INT 21H

PRINTN

MOV CL, 2

SUB AL, 48

CMP AL, CL

JL FIRST

JE SECOND

JG THIRD

FIRST:

PRINTN "YOU ARE UNDER YEAR 2"

JMP END_CASE

SECOND:

PRINTN "YOU ARE IN YEAR 2"

JMP END_CASE

THIRD:

PRINTN "YOU ARE ABOVE YEAR 3"

END_CASE:

MOV AH, 4Ch

INT 21H

MAIN ENDP

END MAIN

Scr emulator screen (80x25 chars)

```
ENTER ACADEMIC YEAR (1,OR 2,OR 3):1
YOU ARE UNDER YEAR 2
```

Scr emulator screen (80x25 chars)

```
ENTER ACADEMIC YEAR (1,OR 2,OR 3):2
YOU ARE IN YEAR 2
```

Scr emulator screen (80x25 chars)

```
ENTER ACADEMIC YEAR (1,OR 2,OR 3):3
YOU ARE ABOVE YEAR 3
```

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CLASS LAB TEST-2

LAB-2

```
INCLUDE "EMU8086.INC"
```

```
.MODEL SMALL
```

```
.STACK 100H
```

```
.CODE
```

```
MAIN PROC
```

```
    PRINT 'INPUT A CHARACTER:'
```

```
    MOV AH,1
```

```
    INT 21H
```

```
    MOV BL,AL
```

```
    MOV CX,8
```

```
TOP:
```

```
    MOV DL,0DH
```

```
    MOV AH,2
```

```
    INT 21H
```

```
    MOV DL,0AH
```

```
    MOV AH,2
```

```
    INT 21H
```

```
    MOV DL,BL
```

```
    MOV AH,2
```

```
    INT 21H
```

```
    LOOP TOP
```

```
LAST:
```

```
    MOV AH,4CH
```

```
    INT 21H
```

```
    MAIN ENDP
```

```
ENDS MAIN
```

