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Sec:05
Course:CSE341
Lab exam:05

Answer to the question no:01

;my student ID 21301276. so the output will be summer2021

.MODEL SMALL

.STACK 100H

.DATA

studentID DB 2, 1, 3, 0, 1, 2, 7, 6

fallMsg DB 'Fall\$'

summerMsg DB 'Summer\$'

springMsg DB 'Spring\$'

yearMsg DB '20\$'

.CODE

MAIN PROC

MOV AX, @DATA

MOV DS, AX

MOV SI, 0

MOV AL, studentID[SI + 2]

CMP AL, 1

JE SPRING

CMP AL, 2

JE FALL

CMP AL, 3

JE SUMMER

JMP EXIT

SPRING:

LEA DX, springMsg

```
MOV AH, 9
INT 21H
JMP DISPLAY_YEAR
```

```
FALL:
LEA DX, fallMsg
MOV AH, 9
INT 21H
JMP DISPLAY_YEAR
```

```
SUMMER:
LEA DX, summerMsg
MOV AH, 9
INT 21H
```

```

DISPLAY_YEAR:
LEA DX, yearMsg
MOV AH, 9
INT 21H

```

```
MOV DL, studentID[0]
ADD DL, 30H
MOV AH, 2
INT 21H
```

```
MOV DL, studentID[1]
ADD DL, 30H
MOV AH, 2
INT 21H
```

```
EXIT:
    MAIN ENDP
END MAIN
```

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Answer to the question no:02

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

```
a db 7 dup(?) ; Nowshin length=7
```

```
.CODE  
    MAIN PROC  
    MOV AX,@DATA  
    MOV DS,AX
```

```
    ;code here
```

```
    Lea si,a  
    mov cx,7  
input:  
    mov ah,1  
    int 21h  
    mov a[si],al  
    inc si
```

```
    loop input
```

```
mov ah,2
mov dl,10
int 21h
mov dl,13
int 21h
```

```
mov cx,7
lea si,a
add si,6
output:
mov dl,a[si]
mov ah,2
int 21h
dec si
```

```
loop output
```

```
MAIN ENDP
END MAIN
```

```
.....
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```