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Sec:05

Course:CSE341

Lab exam:03

Answer to the question no:01

.MODEL SMALL

.STACK 100H

.DATA

a db 'Avg Working hours:\$'

b db 'he/s will be promoted!\$'

c db 'he/s will not be promoted!\$'

idld db 06h

.CODE

MAIN PROC

MOV AX,@DATA

MOV DS,AX

; the code

lea dx,a

mov ah,9

int 21h

mov ah,1

int 21h

mov bh,al

sub bh,30h

sub idld,03h

```
mov ah,2  
mov dl,13
```

```
int 21h  
mov dl,10  
int 21h
```

```
cmp bh,idld  
JG block1  
jmp block2
```

```
block1:  
lea dx,b  
mov ah,9  
int 21h  
jmp end
```

```
block2:  
lea dx,c  
mov ah,9  
int 21h  
end:
```

```
MAIN ENDP  
END MAIN
```

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Answer to the question no:02

```
.MODEL SMALL
.STACK 100H
.DATA
    z DW 0

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

    MOV CX, 276
    MOV SI, 1
    MOV z, 0

LOOP_START:
    MOV AX, SI
    MOV BX, 6
    MOV DX, 0
    DIV BX
    CMP DX, 0
    JNE NOT_DIVISIBLE

    ADD z, SI

NOT_DIVISIBLE:
    INC SI
    CMP SI, CX
    JLE LOOP_START
```

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

```
MAIN ENDP  
END MAIN
```

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