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Lab	COL
TASK	#4

## QUESTION NO 1

```
include 'emu8086.inc'
```

```
.model small
```

```
.stack 100h
```

```
.data
```

```
.code
```

```
main proc
```

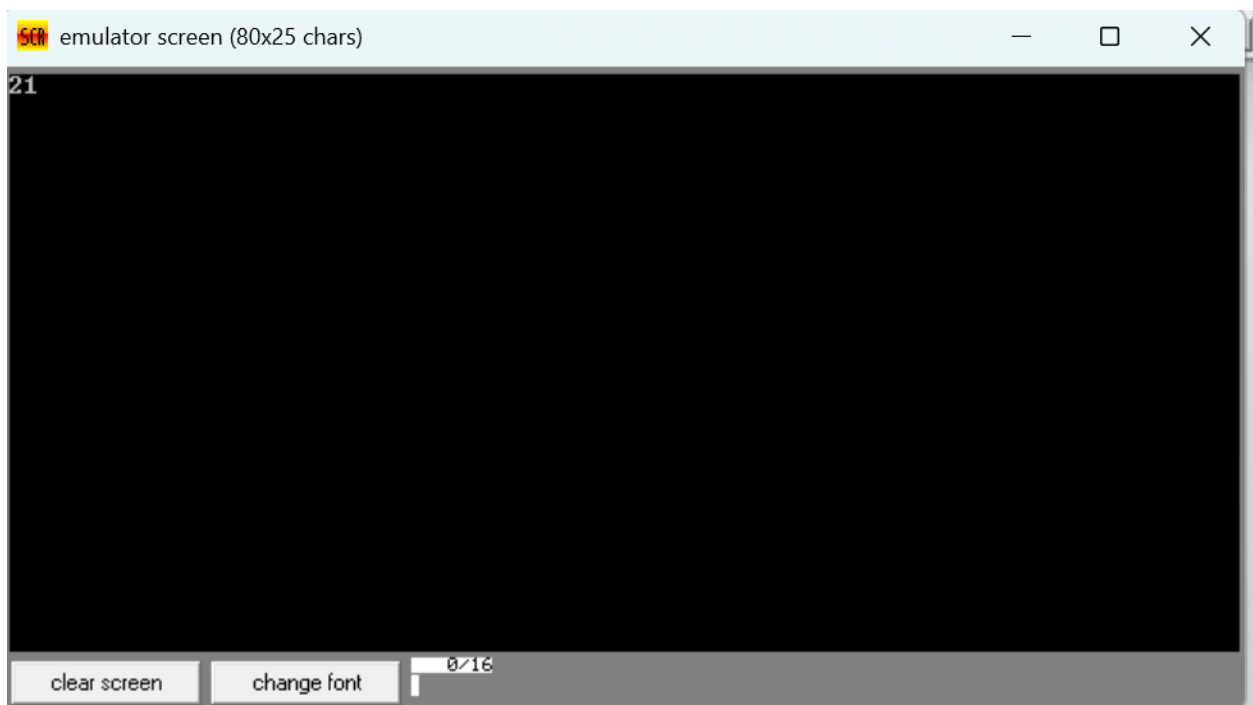
```
mov ax,'1'
```

```
mov bx,'2'
```

```
XCHG ax,bx
```

```
mov dx,ax
```

```
mov ah,2  
int 21h  
mov dx,bx  
mov ah,2  
int 21h  
mov ah,4ch  
int 21h  
main endp  
end main
```



QUESTION NO 2

```
include 'emu8086.inc'
```

```
.model small
```

```
.stack 100h
```

```
.data
```

```
.code
```

```
main proc
```

```
mov bl,14
```

```
mov cl,12
```

```
sub bl,cl
```

```
add bl,48
```

```
mov dl,bl
```

```
mov ah,2
```

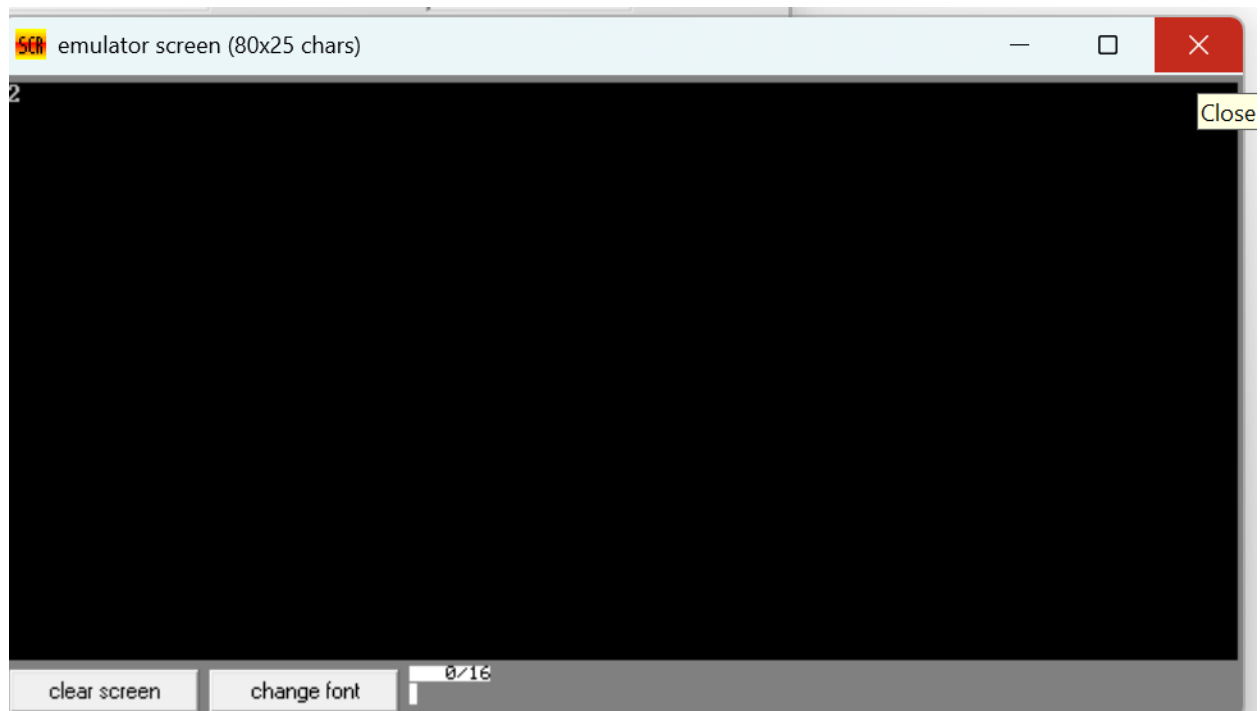
```
int 21h
```

```
mov ah,4ch
```

```
int 21h
```

```
main endp
```

```
end main
```



## QUESTION NO 3

```
include 'emu8086.inc'
```

```
.model small
```

```
.stack 100h
```

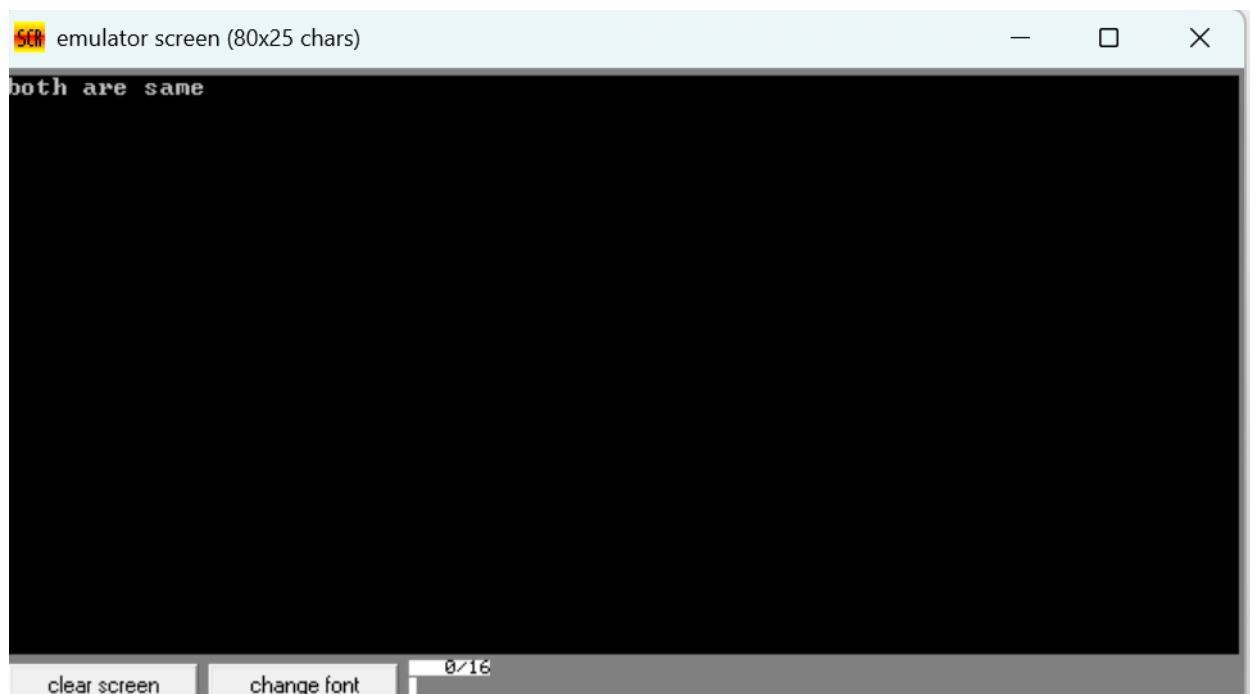
```
.data
```

```
.code
```

```
main proc
```

```
mov al,10
```

```
mov bl,10
CMP al,bl
JE show
print 'both are not same '
mov ah,4ch
int 21h
show:
print 'both are same'
mov ah,4ch
int 21h
main endp
end main
```



## QUESTION NO 4

```
include 'emu8086.inc'
```

```
.model small
```

```
.stack 100h
```

```
.data
```

```
.code
```

```
main proc
```

```
mov ax,10100
```

```
mov bx,01010
```

```
or ax,bx
```

```
xor ax,bx
```

```
mov dx,ax
```

```
mov ah,2
```

```
int 21h
```

```
mov ah,4ch
```

```
int 21h
```

```
main endp
```

```
end main
```

