

## Task 1

```
.MODEL SMALL
```

```
.STACK 100H
```

```
.DATA
```

```
a db 1,2,3,4,5
```

```
b db 5 dup(?)
```

```
.CODE
```

```
MAIN PROC
```

```
;initialize DS
```

```
MOV AX,@DATA
```

```
MOV DS,AX
```

```
; enter your code here
```

```
mov ax, 0
```

```
mov ah, 1
```

```
int 21h
```

```
mov ah, 0
```

```
sub ax, 30h
```

```
mov bx, ax
```

```
mov cx, bx
```

```
again:
```

```
    cmp cx, 0
```

```
    je exit
```

```
    mov dl, 0ah
```

```
    mov ah, 2
```

```
    int 21h
```

```
    mov dl, 0dh
```

```
    mov ah, 2
```

```
    int 21h
```

```
start:
```

```
    mov dl, 2ah
```

```
    mov ah, 2
```

int 21h

loop start

sub bx, 01h

mov cx, bx

jmp again

exit:

;exit to DOS

MOV AX,4C00H

INT 21H

MAIN ENDP

END MAIN