

```
init macro
    MOV ax,@data
    MOV ds,ax
endm
```

```
prints macro
    MOV ah,09h
    INT 21h
endm
```

```
acceptch macro
    MOV ah,01h
    INT 21h
endm
```

```
printch macro
    MOV ah,02h
    INT 21h
endm
```

```
terminate macro
    MOV ah,04ch
    INT 21h
endm
```

```
.model small
.stack 100h
.data
```

```
    freq  db 0
    msg5 db 13,10,13,10,'Frequency  : $'
```

```
.code
```

```
    PUBLIC SUBSTRING
    SUBSTRING PROC FAR
```

```
        MOV bx,di
        MOV dx,si
```

```
label6: MOV al,[si]
        CMP al,[di]
        JE  label7
        JMP label8
```

```
label7: INC di
        INC si
        MOV cl,[di]
        CMP cl,13
        JE  label9
        JMP label6
```

```
label8: MOV di,bx
        MOV si,dx
        INC si
        MOV dx,si
```

```
        MOV cl,[si]
        CMP cl,13
        JNE label6
```

JMP label10

label9: INC freq  
JMP label8

label10:LEA dx,msg5  
prints  
MOV dl,freq  
ADD dl,30h  
printch  
ret

SUBSTRING ENDP

end