**Lab 7**

**Conditional Jumps**

**JZ (jump if zero)**

**Program: create program using JZ condition.**

**JE (Jump if Equal)**

.model small

.stack 100h

.code

start:

mov ax,5

cmp ax, 5

je true

Mov ah, 02

mov dl, 'F'

int 21h

mov ah,4ch

int 21h

true:

mov ah, 02

mov dl , 'T'

int 21h

mov ah, 4ch

int 21h

end start

.model small

.stack 100h

.code

start:

mov ax,6

cmp ax, 5

jz true

Mov ah, 02

mov dl, 'F'

int 21h

mov ah,4ch

int 21h

true:

mov ah, 02

mov dl , 'T'

int 21h

mov ah, 4ch

int 21h

end start

**JB (Jump if below) Jg (Jump if greater)**

.model small

.stack 100h

.code

start:

mov ax,4

cmp ax, 5

jg true

Mov ah, 02

mov dl, 'F'

int 21h

mov ah,4ch

int 21h

true:

mov ah, 02

mov dl , 'T'

int 21h

mov ah, 4ch

int 21h

end start

.model small

.stack 100h

.code

start:

mov ax,4

cmp ax, 5

jb true

Mov ah, 02

mov dl, 'F'

int 21h

mov ah,4ch

int 21h

true:

mov ah, 02

mov dl , 'T'

int 21h

mov ah, 4ch

int 21h

end start

**Task:**

**Create program using different jump category given in theory lecture.**

**Create any five programs using different jumps category.**