Conditional Jump in Assembly Language

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Course ID: CSE - 3811

Course Title: Microprocessor and Assembly Language

Conditional Jump

Condition	Instruction	Condition	Instruction
Jump if zero flag ZF=I	JZ zero	Jump if zero flag ZF=0	JNZ notzero
Jump if greater	JG greater	Jump if greater than or equal	JGE notless
Jump if less	JL less	Jump if less than or equal	JLE notgreater
Jump if Below	JB smaller	Jump if carry flag CF=1	JC carry

Example Code

```
org 100h
```

▶ START: mov cl, 03h

LABEL_JNZ: dec cl

jnz LABEL_JNZ

mov bl, 04h

mov al, 04h

LABEL_JZ: dec al

dec bl

xor bl, al

jz LABEL_JZ

mov bl, 02h

mov al, 06h

Example Code

```
LABEL_JG: dec al
            cmp al, bl
            jg LABEL_JG
            mov bl, 06h
            mov al, 00h
 LABEL_JL: inc al
            cmp al, bl
            jl LABEL_JL
 ret
```

Thank You!!

