

## 6. Conditional Processing

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### 6.2 Conditional Jumps

#### CMP Instruction

→ compares leftOp and rightOp

CMP reg, reg  
reg, mem  
reg, imm  
mem, reg  
mem, imm

} same size operands

→ compare instruction will be followed by a conditional jump

je — jump if equal

jne — jump if not equal

jg — jump if greater than (leftOp > rightOp)

jl — jump if less than (leftOp < rightOp)

example's code

```
cmp eax, ebx  
jg L1
```

⋮

L1:

```
mov ecx, 5
```

eax	ebx
5	0