

# vim命令圖解

The screenshot shows a Vim editor window with a Java code file named 'Sample.java'. The code contains several lines of code, including variable declarations and a main method. The editor is annotated with various Vim commands and their effects:

- Cursor Movement:**
  - `h`, `j`, `k`, `l`: Move cursor left, down, up, right.
  - `W`, `w`: Move cursor to the start/end of the current word.
  - `b`, `fi`: Move cursor to the beginning/end of the current function.
  - `gd`: Jump to the definition of the current word.
  - `mx`: Mark the current position.
- Search:**
  - `*`, `#`: Search for the current word.
  - `/xxx`: Search for 'xxx'.
  - `n`, `N`: Move to the next/previous search result.
- Window Management:**
  - `:split`: Split the current window horizontally.
  - `:vsplit`, `:diffsplit`: Split the current window vertically, with the latter showing differences.
  - `Ctrl-W p`, `Ctrl-W j`, `Ctrl-W k`, `Ctrl-W l`: Switch between windows.
- Other Commands:**
  - `H`, `M`, `L`: Scroll to the top, middle, or bottom of the screen.
  - `zt`, `zz`, `zb`: Scroll to the top, middle, or bottom of the current line.
  - `Ctrl-B`, `Ctrl-F`: Scroll one page up or down.

## 游標移動/範圍單位

### 字元(character)

`h` `j` `k` `l`  
← ↓ ↑ →

### 單字(word)

`w` `b` 前/後個單字  
`W` `B` 前/後個單字(跳過符號)  
`e` 單字尾端

### 行(line)

`0` 行頭 `$` 行尾  
`^` 行頭(非空白字元)

### 段落(paragraph)、區塊(block)

`{` 上一段 `}` 下一段  
`[[` 區塊頭 `]]` 區塊尾  
`%` 對應括號

### 螢幕(screen)、檔案(file)

`H` 螢幕頂端 `zt` 捲至頂端  
`M` 螢幕中間 `zz` 捲至中間  
`L` 螢幕底部 `zb` 捲至底部  
`C-B` 上一頁 `C-F` 下一頁  
`gg` 檔頭 `G` 檔尾  
`mx` 標記x `'x` 跳至標記x

### 搜尋(search)

`*` `#` 向後/向前搜尋目前單字  
`fx` 向後搜尋字元x  
`gd` 跳至目前單字的定義位置  
`/xxx` 搜尋xxx  
`n` `N` 下/上一個搜尋結果

## 模式切換指令

`ESC` `C-[` 進入normal mode  
`v` 進入visual mode  
`V` 進入visual line mode  
`C-v` 進入visual block mode  
`i` 進入insert mode  
`R` 進入replace mode  
`a` 在游標後附加  
`A` 在行末附加  
**動作指令**  
`y` 複製(範圍)  
`d` 刪除/剪下(範圍)  
`c` 修改(範圍)  
`x` 刪除/剪下(字元)  
`D` 刪除至行末  
`C` 修改至行末  
`p` 貼上  
`J` 和下一行合併  
`r` 替換(字元)  
`>` 縮排  
`<` 反縮排  
`.` 重複上一命令  
`u` 回復上一命令  
**EX指令**  
`:w` 儲存(:wq 儲存並退出)  
`:q` 退出(:q! 強制退出)  
`:e x` 編輯檔案x  
`:n` 開新文件  
`:h` 呼叫vim help  
`:xx` 跳至xx行

## 自動補齊 [insert mode]

`C-N` `C-P` 自動補齊下/上個可能字  
`C-X` `C-F` 自動補齊可能檔名  
**分割視窗(split window)**  
`:vsp` `:sp` 垂直/水平分割視窗  
`:diffs` 分割視窗並比較(diff)檔案  
`C-W p` (來回)跳至前一個分割視窗  
`C-W w` 跳至下個分割視窗