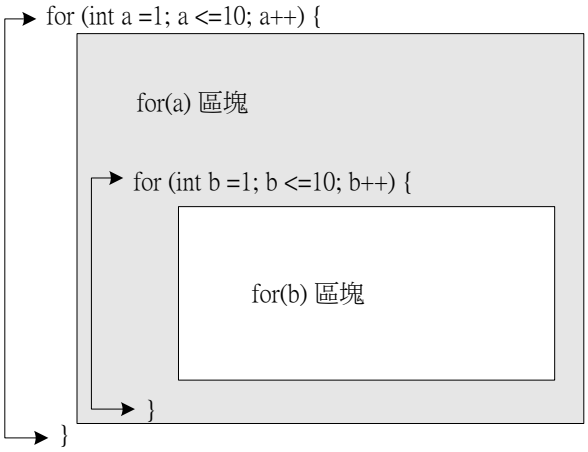
多重迴圈流程

(A) 多重迴圈 –for loop：



(B) 運作流程：

外迴圈執行順序	內迴圈執行順序
a = 1	b= 1, 2, 3, 4, 5, 6, 7, 8, 9 10
a = 2	b= 1, 2, 3, 4, 5, 6, 7, 8, 9 10
a = 3	b= 1, 2, 3, 4, 5, 6, 7, 8, 9 10
a = 4	b= 1, 2, 3, 4, 5, 6, 7, 8, 9 10
a = 5	b= 1, 2, 3, 4, 5, 6, 7, 8, 9 10
a = 6	b= 1, 2, 3, 4, 5, 6, 7, 8, 9 10
a = 7	b= 1, 2, 3, 4, 5, 6, 7, 8, 9 10
a = 8	b= 1, 2, 3, 4, 5, 6, 7, 8, 9 10
a = 9	b= 1, 2, 3, 4, 5, 6, 7, 8, 9 10
a = 10	b= 1, 2, 3, 4, 5, 6, 7, 8, 9 10

(C) 語法：

利用 for 敘述建構雙重迴圈的語法與範例如下。

語法：	範例：

for (a=1; a<=10; a++) {
statement 1;
statement 2;
for(b=1; b<=10; b++) {
statement 3;
statement 4;
}
}
	for (j = 1; j <= 10; j++) {
	System.out.printf(" ");
	for (k = 1; k <= 10; k++) {
	System.out.printf("*");
	}
	System.out.print("\n");
	}