



Kotlin

Full Course

Bài 12



Lập trình
Android

1

for lồng nhau

2

Vận dụng vẽ chữ N, ♥

	j							
i		0	1	2	3	4	5	6
	0	00	01	02	03	04	05	06
	1	10	11	12	13	14	15	16
	2	20	21	22	23	24	25	26
	3	30	31	32	33	34	35	36
	4	40	41	42	43	44	45	46
	5	50	51	52	53	54	55	56
	6	60	61	62	63	64	65	66



1

for lồng nhau

❑ Ví dụ 1: Xuất bảng cửu chương :

```
for (i in 1 ≤ .. ≤ 9)
{
    for (a in 2 ≤ .. ≤ 9)
    {
        //println("i = $i")
        //println("a = $a")
        println("$i*$a = ${i*a}")
    }
    println("-----")
}
```



```
8*2= 16
8*3= 24
8*4= 32
8*5= 40
8*6= 48
8*7= 56
8*8= 64
8*9= 72
-----
```

```
9*2= 18
9*3= 27
9*4= 36
9*5= 45
9*6= 54
9*7= 63
9*8= 72
9*9= 81
-----
```

❑ Ví dụ 2: Xuất all tọa độ :

```
var h=6
for (i in 1 ≤ .. ≤ h)
{
    for (j in 1 ≤ .. ≤ h)
    {
        print("$i$j \t")
    }
    println()
}
```



```
11 12 13 14 15 16
21 22 23 24 25 26
31 32 33 34 35 36
41 42 43 44 45 46
51 52 53 54 55 56
61 62 63 64 65 66
```

		j						
i		1	2	3	4	5	6	7
	1	11	12	13	14	15	16	17
	2	21	22	23	24	25	26	27
	3	31	32	33	34	35	36	37
	4	41	42	43	44	45	46	47
	5	51	52	53	54	55	56	57
	6	61	62	63	64	65	66	67
	7	71	72	73	74	75	76	77

2

Vận dụng vẽ chữ N, ♥

		j						
i		1	2	3	4	5	6	7
	1	11	12	13	14	15	16	17
	2	21	22	23	24	25	26	27
	3	31	32	33	34	35	36	37
	4	41	42	43	44	45	46	47
	5	51	52	53	54	55	56	57
	6	61	62	63	64	65	66	67
	7	71	72	73	74	75	76	77

```
var h=7
for (i in 1 ≤ .. ≤ h)
{
    for (j in 0 ≤ .. ≤ h)
    {
        if(j==1 || j==h || i==j)
            print("$i$j")
        print("\t")
    }
    println()
}
```

```
11          17
21  22          27
31          33          37
41          44          47
51          55          57
61          66  67
71          77
```

		j						
i		1	2	3	4	5	6	7
	1	11	12	13	14	15	16	17
	2	21	22	23	24	25	26	27
	3	31	32	33	34	35	36	37
	4	41	42	43	44	45	46	47
	5	51	52	53	54	55	56	57
	6	61	62	63	64	65	66	67
	7	71	72	73	74	75	76	77

```
var h=7
for (i in 1 ≤ .. ≤ h)
{
    for (j in 1 ≤ .. ≤ h)
    {
        if ((i==1 && (j==2 || j==3 || j==4 || j==5 || j==6 || j==7)) ||
            (i==7 && (j==2 || j==3 || j==4 || j==5 || j==6 || j==7)) ||
            (i==j && j>1))
            print("$i$j")
        print("\t")
    }
    println()
}
```

```
          12  13          15  16
21          24          27
31          37
          42          46
          53          55
          64
```

