



# LẬP TRÌNH



# Dễ hiểu



## LESSON

16



# For lồng nhau C++

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

**@galailaptrinh**



1

## For lồng nhau C++

	A	B	C	D	E	F	G	H	I
1		j							
2	i		1	2	3	4	5	6	7
3		1	11	12	13	14	15	16	17
4		2	21	22	23	24	25	26	27
5		3	31	32	33	34	35	36	37
6		4	41	42	43	44	45	46	47
7		5	51	52	53	54	55	56	57
8		6	61	62	63	64	65	66	67
9		7	71	72	73	74	75	76	77

```
for (int i = 1; i <= 7; i++) {
    for (int j = 1; j <= 7; j++) {
        cout << i << j << " ";
    }
    cout << endl;
}
```

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

		j						
		1	2	3	4	5	6	7
i	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

```
for (int i = 1; i <= 7; i++) {
    for (int j = 1; j <= 7; j++) {
        //ktra điều kiện
        if (j==1 || j==7 || i==j)
            cout << i << j << " ";
        else
            cout << "  " << " ";
    }
    cout << endl;
}
```

```
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*                   *           *
*                       *           *
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```

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## For lồng nhau C++

	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

```
//vẽ hình vuông
for (int i = 1; i <= 7; i++) {
    for (int j = 1; j <= 7; j++) {
        //ktra điều kiện
        if (j == 1 || j == 7 || i == 1 || i == 7)
            cout << i << j << " ";
        else
            cout << " " << " ";
    }
    cout << endl;
}
```

```
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*           *
* * * * *
```

	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

```
//vẽ hình tam giác
for (int i = 1; i <= 7; i++) {
    for (int j = 1; j <= i; j++) {
        cout << i << j << " ";
    }
    cout << endl;
}
```

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```

2 Bài tập tự giải

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## Code trong bài giảng

```
#include <iostream>
using namespace std;

int main()
{
    for (int i = 1; i <= 7; i++) {
        for (int j = 1; j <= 7; j++) {
            cout << i << j << " ";
        }
        cout << endl;
    }
    cout << endl;
    cout << endl;
    cout << endl;
    //vẽ chữ n
    for (int i = 1; i <= 7; i++) {
        for (int j = 1; j <= 7; j++) {
            //ktra điều kiện
            if (j==1 || j==7 || i==j)
                cout << i << j << " ";
            else
                cout << " " << " ";
        }
        cout << endl;
    }
    cout << endl;
    cout << endl;
    cout << endl;
    //vẽ hình vuông
    for (int i = 1; i <= 7; i++) {
        for (int j = 1; j <= 7; j++) {
            //ktra điều kiện
            if (j == 1 || j == 7 || i == 1 || i == 7)
                cout << i << j << " ";
            else
                cout << " " << " ";
        }
        cout << endl;
    }
    cout << endl;
    cout << endl;
    //vẽ hình tam giác
    for (int i = 1; i <= 7; i++) {
        for (int j = 1; j <= i; j++) {
            cout << i << j << " ";
        }
        cout << endl;
    }
}
```

Tài liệu bài giảng, nhóm thảo luận

<http://dc.tuhoc.cc>

