

Programs for printing Triangle's Pattern

Pattern:

```
1
12
123
1234
12345
123456
```



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Program in C++:

```
#include <iostream.h>
#include <conio.h>
void main()
{
    clrscr();
    int i, j, n;
    cout << "Enter the number of lines: ";
    cin >> n;
    for (i = 1; i <= n; i++)
    {
        for (j = 1; j <= i; j++)
```

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```

}
cout << j;
}
cout << endl;
}
getch();
}

```

Pattern:

```

    1
   121
  12321
 1234321

```



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Program in c++:

```

#include <iostream.h>
#include <conio.h>
void main()
{
    clrscr();
    int i, j, n;
    cout << "Enter the number of lines: ";
    cin >> n;
    for (i = 1; i <= n; i++)
    {
        for (j = 1; j <= n - i + 1; j++)
        {
            cout << " ";
        }
    }
}

```

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```

for (j=1; j<= i; j++)
{
    cout << j;
}
for (j = i-1; j>=1; j--)
{
    cout << j;
}
cout << endl;
}
getch();
}
    
```

Pattern:

```

      A
     ABA
    ABCBA
   ABCDCBA
    
```

Program in C++:

```

#include <iostream.h>
#include <conio.h>
void main ()
{
    clrscr();
    int i, j, n;
    cout << "Enter the number of lines: ";
    cin >> n;
    for (i=1; i<= n; i++)
    
```



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```

}
for (j=1; j<=n-i; j++)
{
    cout << " ";
}
for (j=1; j<=i; j++)
{
    cout << (char)(j+64);
}
for (j=i-1; j>=1; j--)
{
    cout << (char)(j+64);
}
cout << endl;
}
getch();
}

```

Pattern:

```

1
11
111
1111
11111

```

Program in C++

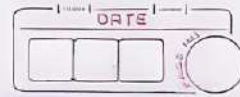
```

#include <iostream.h>
#include <conio.h>

```



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```
void main ()
{
    clrscr();
    int i, j;
    for (i = 1; i <= 5; i++)
    {
        for (j = 1; j <= i; j++)
        {
            cout << "1";
        }
        cout << "endl";
    }
    getch();
}
```



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Pattern:

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

Program in c++

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

```
int main() {
```

```
    int rows;
```

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```
cout << "Enter number of rows:" ;
cin >> rows;
```

```
for (int i=1; i <= rows; ++i) {
    for (int j=1; j <= i; ++j) {
        cout << j << " ";
    }
    cout << "\n";
}
return 0;
}
```

Pattern:

```
12345
1234
123
12
1
```



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Program in C++ :

```
#include <iostream>
using namespace std;
int main () {
    int rows;
    cout << "Enter number of rows: ";
    cin >> rows;
    for (int i = rows; i >= 1; --i) {
        for (int j = 1; j <= i; ++j)
```

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