Fundamentals of Programming
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// Code to print fibonnaci sequence using nested loops.

```cpp
#include<iostream>

using namespace std ;

int main()

{

        int a, b, l, sum;

        cout<<"Enter first two integers of fibonnaci sequence  :";

        cin>>a>>b;

        cout<<"Enter lenght of seqeunce :";

        cin>>l;

        cout<<"Fibonnaci sequence of entered integers is :";

        for(int i=a; i<=l; i++ ){

                for(int j = b; j<=sum; j++){

                        sum = a + b;

                }

                cout<<sum<<" ";

                a = b;

                b = sum;

        }

        return 0;

}
```

```
Enter first two integers of fibonnaci sequence  :0
1
Enter lenght of seqeunce :9
Fibonnaci sequence of entered integers is :0 1 1 2 3 5 8 13 21 34
---------------------------------
Process exited after 4.701 seconds with return value 0
Press any key to continue . . .
```

code to print Floyd's triangle using nested loops.

int main()

{

    int x=1, r;

    cout<<"Enter the number of rows :";

    cin>>r;

    for(int a=0; a<=r; a++){

        for(int b=0; b<a; b++){

            cout<<x<<" ";

            x++;

        }

        cout<<endl;

    }

    return 0;

}


```
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
16 17 18 19 20 21

---------------------------------
Process exited after 2.286 seconds with return value 0
Press any key to continue . . .
```