fill.cpp Page 1

```
#include <iostream>
#include <algorithm>
#include <iterator>
using namespace std;
struct FibGenerator {
 FibGenerator() {
   n = 1;
   n_1 = 1;
  int operator()() {
   int out = n_1;
   int next = n + n_1;
   n_1 = n;
   n = next;
   return out;
 private :
   int n;
    int n_1;
};
int main() {
 int values[10];
  fill(begin(values), end(values), 0);
 values[2] = 55;
 copy(begin(values), end(values), ostream_iterator<int>(cout, " "));
 cout << "\n";
 generate(begin(values), end(values), FibGenerator());
 copy(begin(values), end(values), ostream_iterator<int>(cout, " "));
 cout << "\n";
 return 0;
}
```