

## stlList.cpp

```
1 #include <list>
2 #include <string>
3 #include <iostream>
4
5 struct Animal {
6     std::string name, food;
7     bool big;
8     Animal(std::string name = "blob", std::string food = "you", bool big = true) :
9         name(name), food(food), big(big) { /* nothing */ }
10 };
11
12 int main() {
13     Animal g("giraffe", "leaves", true), p("penguin", "fish", false), b("bear");
14     std::vector<Animal> zoo;
15
16     zoo.push_back(g);
17     zoo.push_back(p);    // std::vector's insertAtEnd
18     zoo.push_back(b);
19
20     for ( auto it = zoo.begin(); it != zoo.end(); it++ ) {
21         std::cout << (*it).name << " " << (*it).food << std::endl;
22     }
23
24     return 0;
25 }
```