Code 1.0

```
#include <iostream>

int main() {
1.        std::vector<double> prices;
2.
3.        if (prices.empty())
4.            std::cout << "prices is empty" << std::endl;

5.        prices.push_back(10.43);
6.        prices.push_back(20.54);
7.        prices.push_back(32.43);
8.        prices.pop_back();
9.        prices.push_back(55.6);
10.       prices.pop_back();
11.       prices.pop_back();
12.       prices.push_back(90);
13.       prices.push_back(80);

14.       std::cout << prices.size() << "  " << std::endl;

15.       for (int i = 0; i < prices.size(); i++)
16.           std::cout << prices[i] << "  " << std::endl;

17.       std::cout << std::endl;
18.       prices.front() = 54.11;
19.       prices.pop_back();

20.       for (int i = 0; i < prices.size(); i++)
21.           std::cout << prices[i] << "  ";

22.       std::cout << std::endl;
}
```

Code 2.0

```
#include <vector>
#include <iostream>

int main() {

1.      std::vector<double> prices;

2.      std::vector<double>::iterator i;

3.      prices.push_back(10.43);
4.      prices.push_back(20.54);
5.      prices.push_back(32.43);

6.      i = prices.end();
7.      *(i - 1) = 90;

8.      for (i = prices.begin(); i != prices.end(); i++)
9.        std::cout << *i << "  “ << std::endl;

}
```

Code 3.0

```
#include <iostream>
#include <vector>
int main ()
{
1.    // ********************************************************:
2.    std::vector<int> first;
3.    std::vector<int> second (4,100);
4.    std::vector<int> third (second.begin(),second.end());
5.    std::vector<int> fourth (std::move(third));
6.    std::vector<int> fifth (fourth);
7.    // ********************************************************:
8.    int myints[] = {16,2,77,29};
9.    std::vector<int> sixth (myints, myints + sizeof(myints) / sizeof(int) );
10.   std::cout << std::endl << "The contents of first are:";
11.   for (std::vector<int>::iterator it = first.begin(); it != first.end(); ++it)
12.       std::cout << ' ' << *it;
13.   std::cout << std::endl << "The contents of second are:";
14.   for (std::vector<int>::iterator it = second.begin(); it != second.end(); ++it)
15.       std::cout << ' ' << *it;
16.   std::cout << std::endl << "The contents of third are:";
17.   for (std::vector<int>::iterator it = third.begin(); it != third.end(); ++it)
18.       std::cout << ' ' << *it;
19.   std::cout << std::endl << "The contents of fourth are:";
20.   for (std::vector<int>::iterator it = fourth.begin(); it != fourth.end(); ++it)
21.       std::cout << ' ' << *it;
22.   std::cout << std::endl << "The contents of fifth are:";
23.   for (std::vector<int>::iterator it = fifth.begin(); it != fifth.end(); ++it)
24.       std::cout << ' ' << *it;
25.   std::cout << std::endl << "The contents of sixth are:";
26.   for (std::vector<int>::iterator it = sixth.begin(); it != sixth.end(); ++it)
27.       std::cout << ' ' << *it;
28.   std::cout << '\n';
29.   return 0;
}
```