```cpp
1   #pragma once
2   #include "Item.h"
3
4   class Inventory
5   {
6   public:
7       Inventory();
8       virtual ~Inventory();
9       void addItem(const Item&item);
10      void removeItem(int index);
11      inline void debugPrint() const
12      {
13          for (size_t i = 0;  i < this->nrOfItems; i++)
14          {
15              std::cout << this->itemArr[i]->debugPrint() << std::endl;
16          }
17
18      }
19  private:
20      int cap;
21      int nrOfItems;
22      Item** itemArr;
23      void expand();
24      void initialize(const int from);
25  };
```