

a.cpp

```
1  #include <iostream>
2  using namespace std;
3
4  int fact(int n);
5  int main()
6  {
7      int n;
8      cin >> n;
9      cout << fact(n);
10 }
11
12 int fact(int n) {
13     if(n >= 1) return n * fact(n-1);
14     return 1;
15 }
```

b.cpp

```
1  #include <iostream>
2  using namespace std;
3
4  void smaller(int &num1, int &num2) {
5      if (num1>num2) num2 = 0;
6      else num1 = 0;
7  }
8
9  int main()
10 {
11     int num1, num2;
12     num1=2;
13     num2=2004;
14     smaller(num1, num2);
15     cout << num1 << endl;
16     cout << num2;
17 }
```

c.cpp

```
1  #include <iostream>
2  using namespace std;
3
4  double power(double n, int p=2){
5      double result=1;
6      while(p!=0){
7          result*=n;
8          p--;
9      }
10     return result;
11 }
12
13 int main()
14 {
15     cout << power(4, 3);
16 }
17
```