1. Complex String connection operation use stringbuilder
2. Use ThreadpoolExceutor instead of manually creating threads
3. Pre allocate appropriate capacity to the collection
4. Use enum instead of constant class
5. Use NIO instead of Traditional IO
6. Use Shift operation
7. Try to use Singleton pattern
8. Reduce lock granularity
9. Do not use static variables arbitrarily
10. User basic dattypes double instead of Double