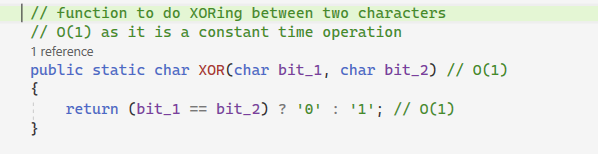
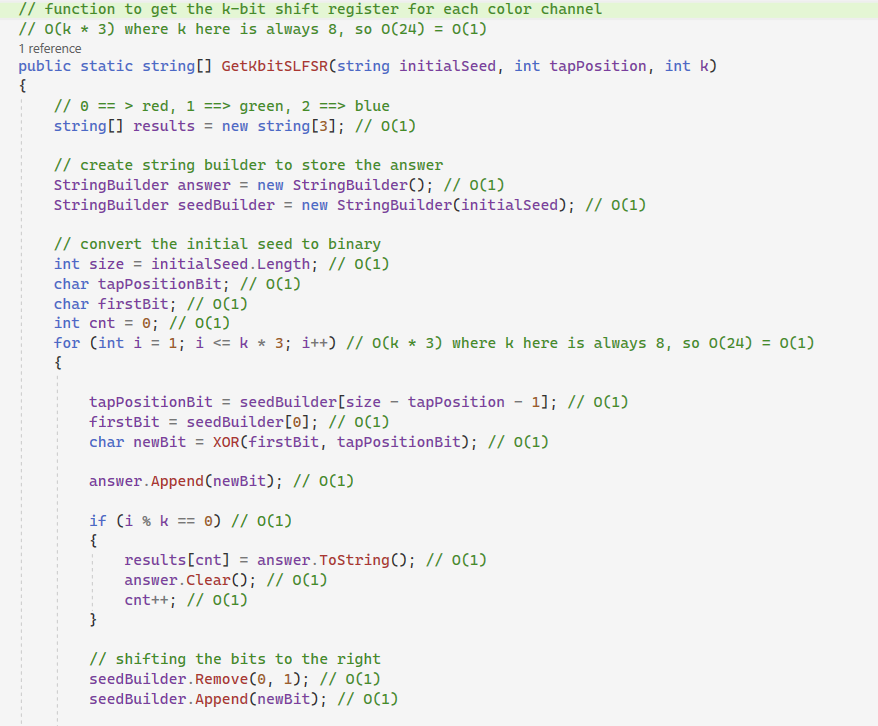
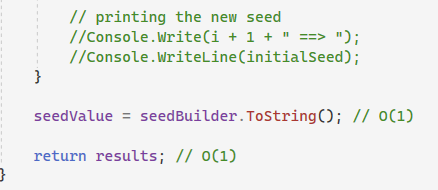
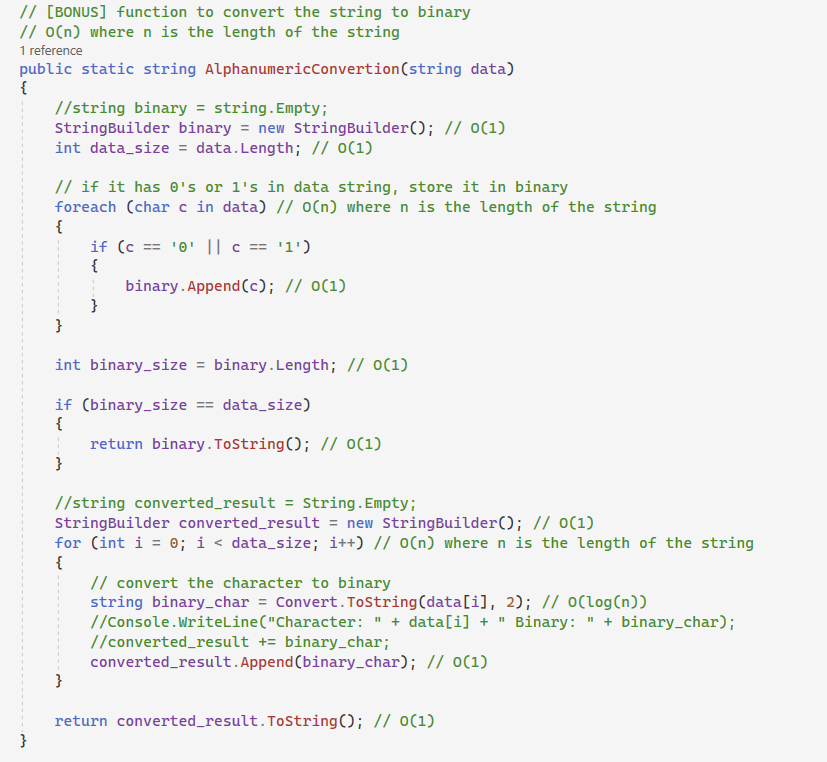
1. Code of Xor Helper function :



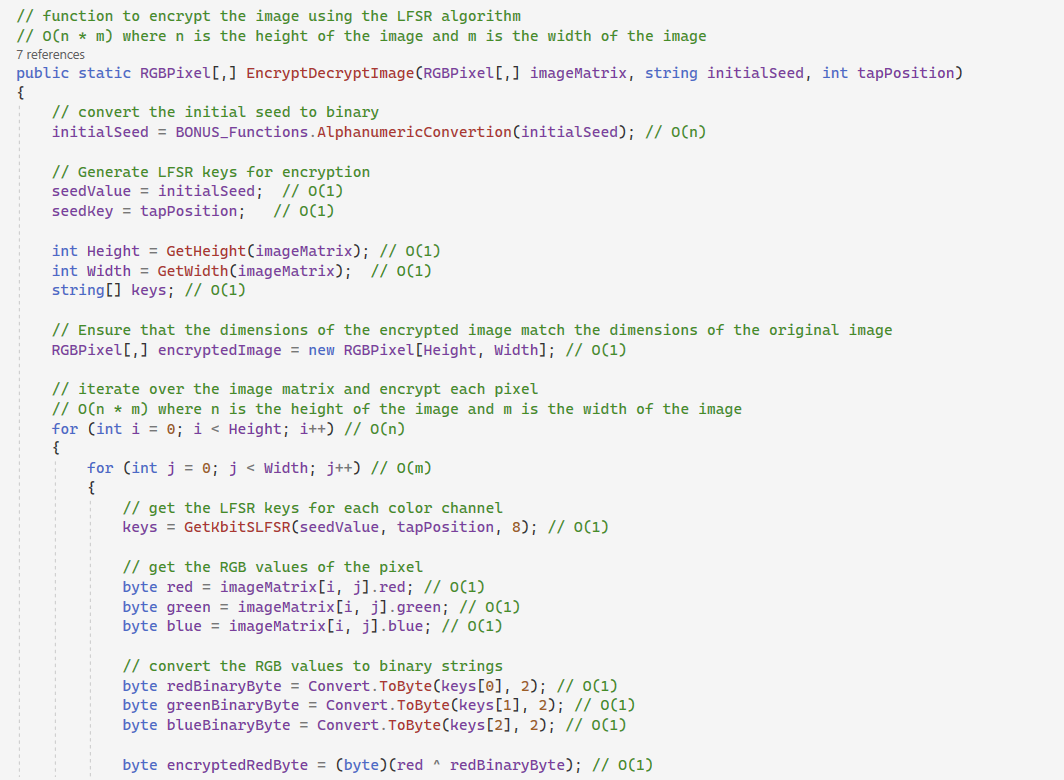
1. Code of GetKbitsLFSR function:



1. Code of AlphaNumeric bonus function :

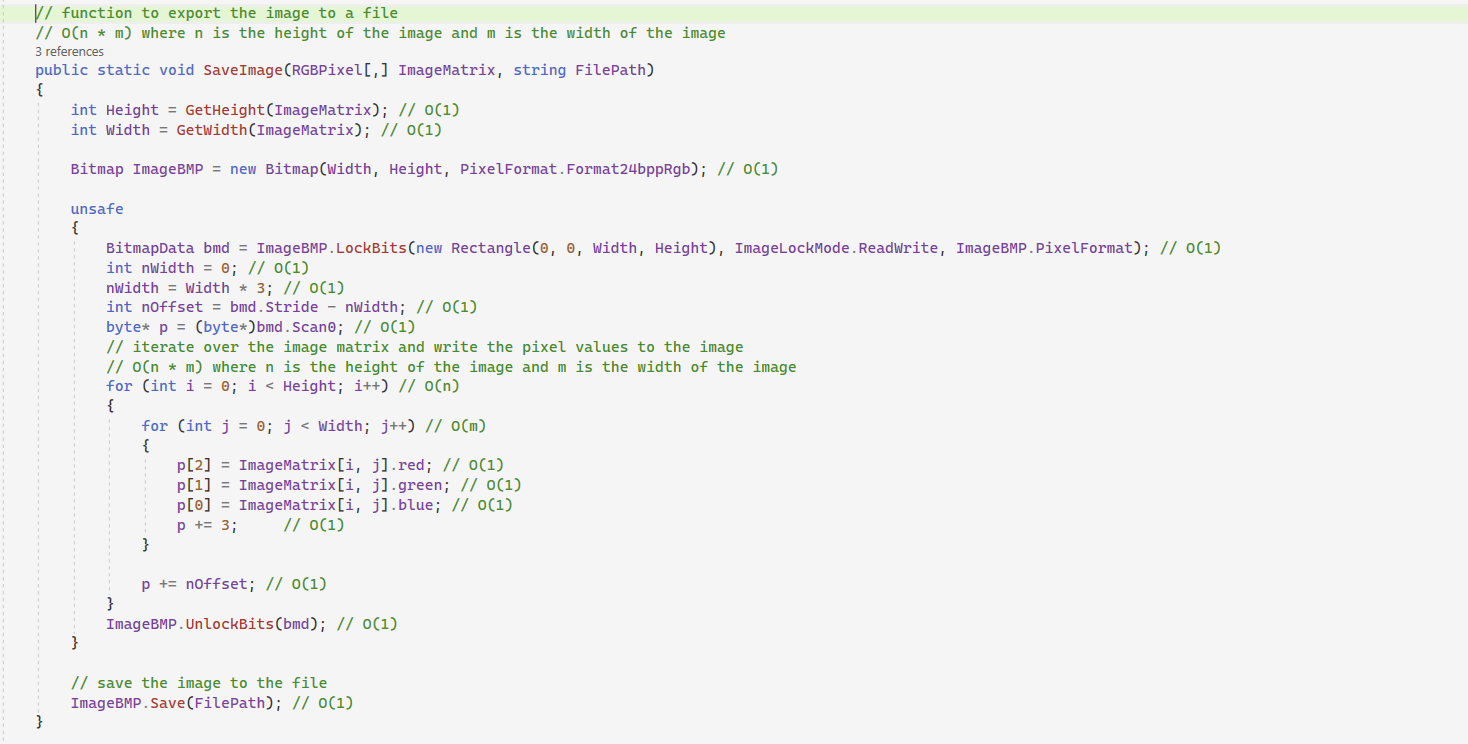


1. Code of Encrypt&Decrypt function :

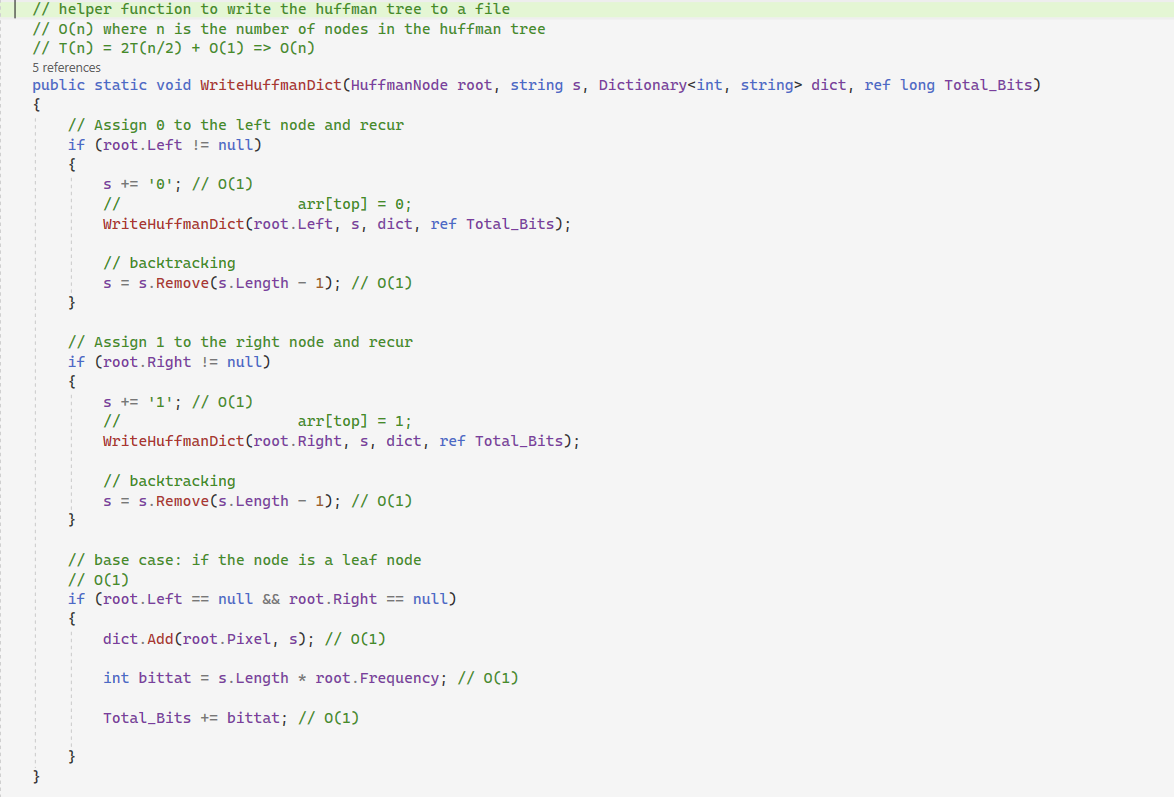


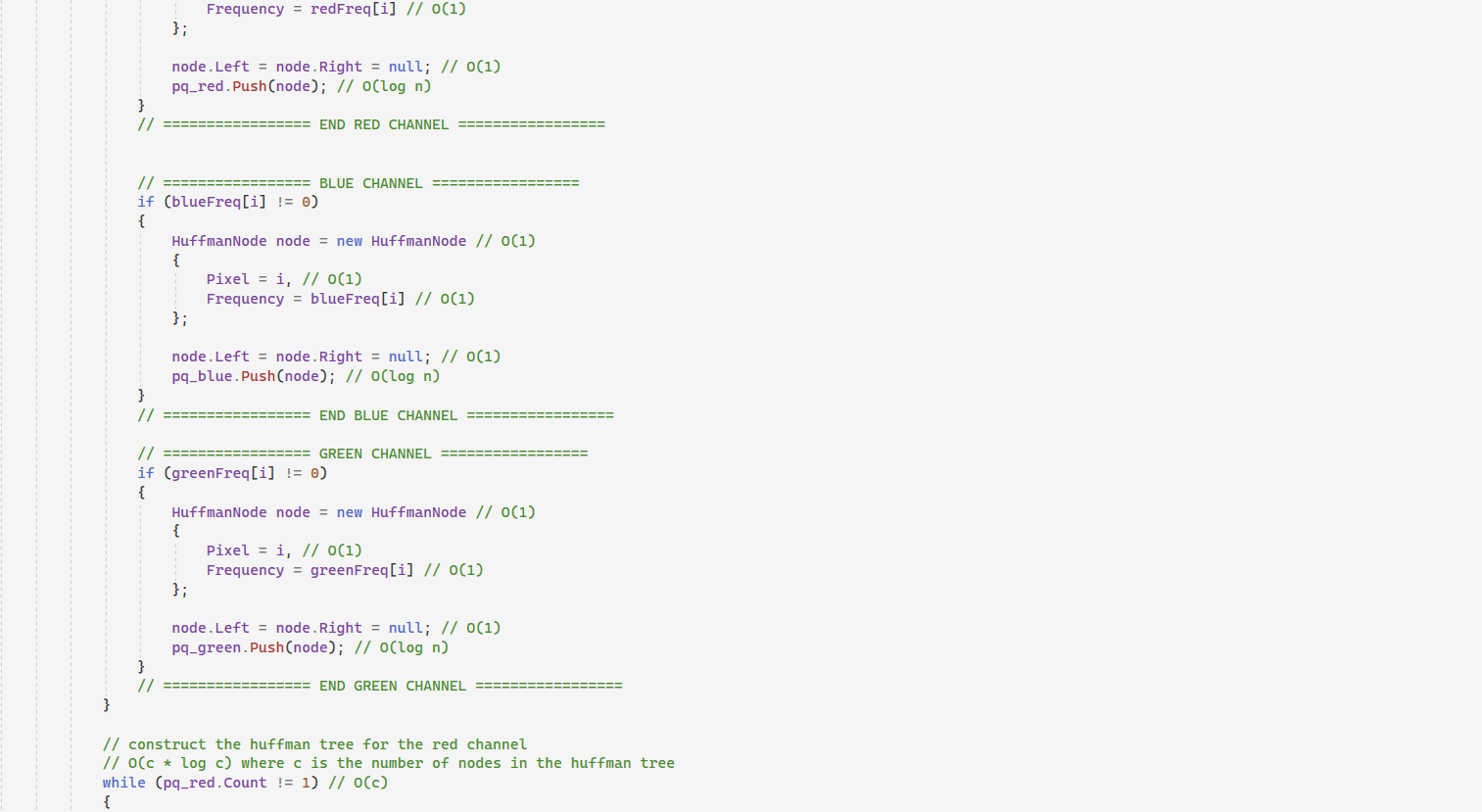
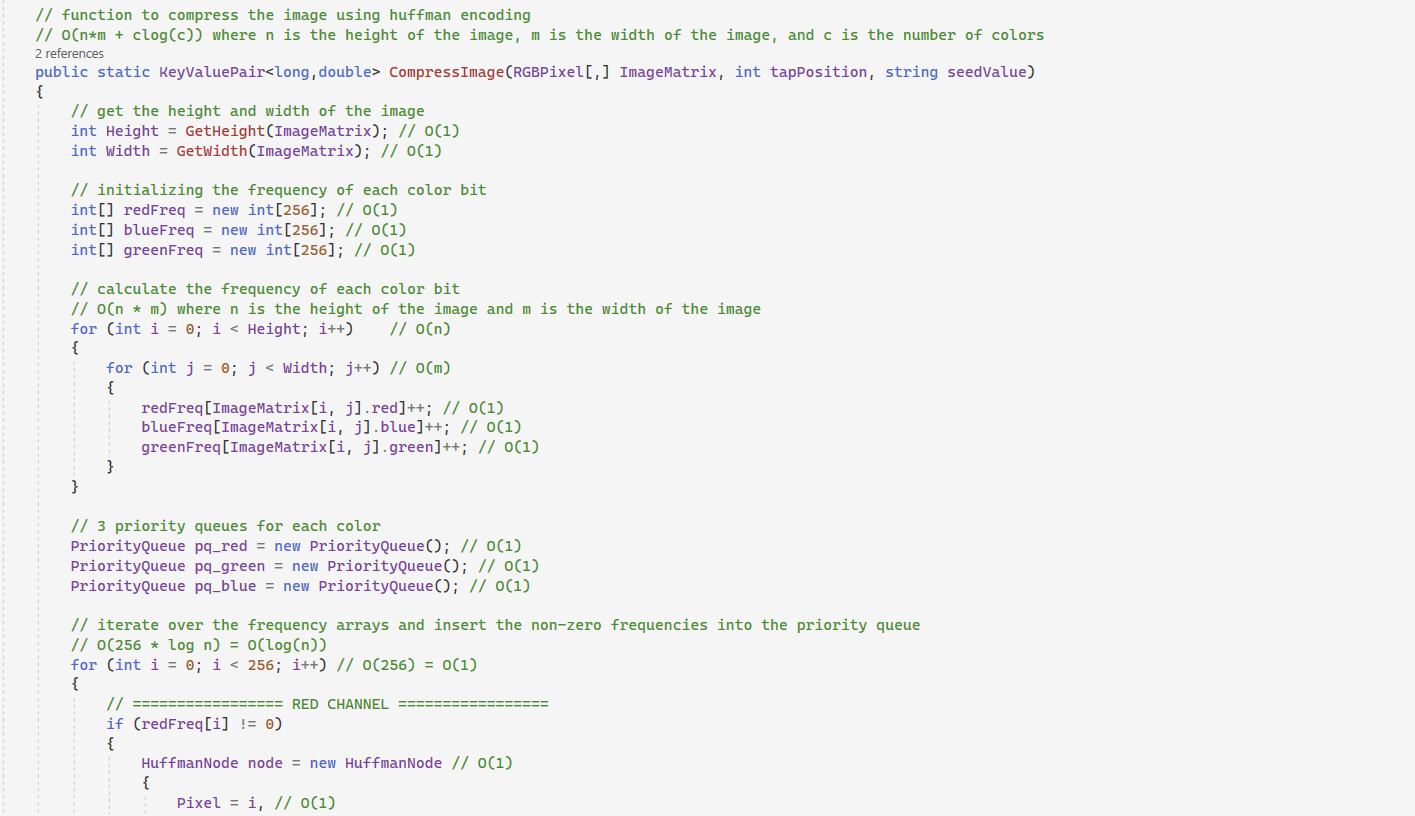


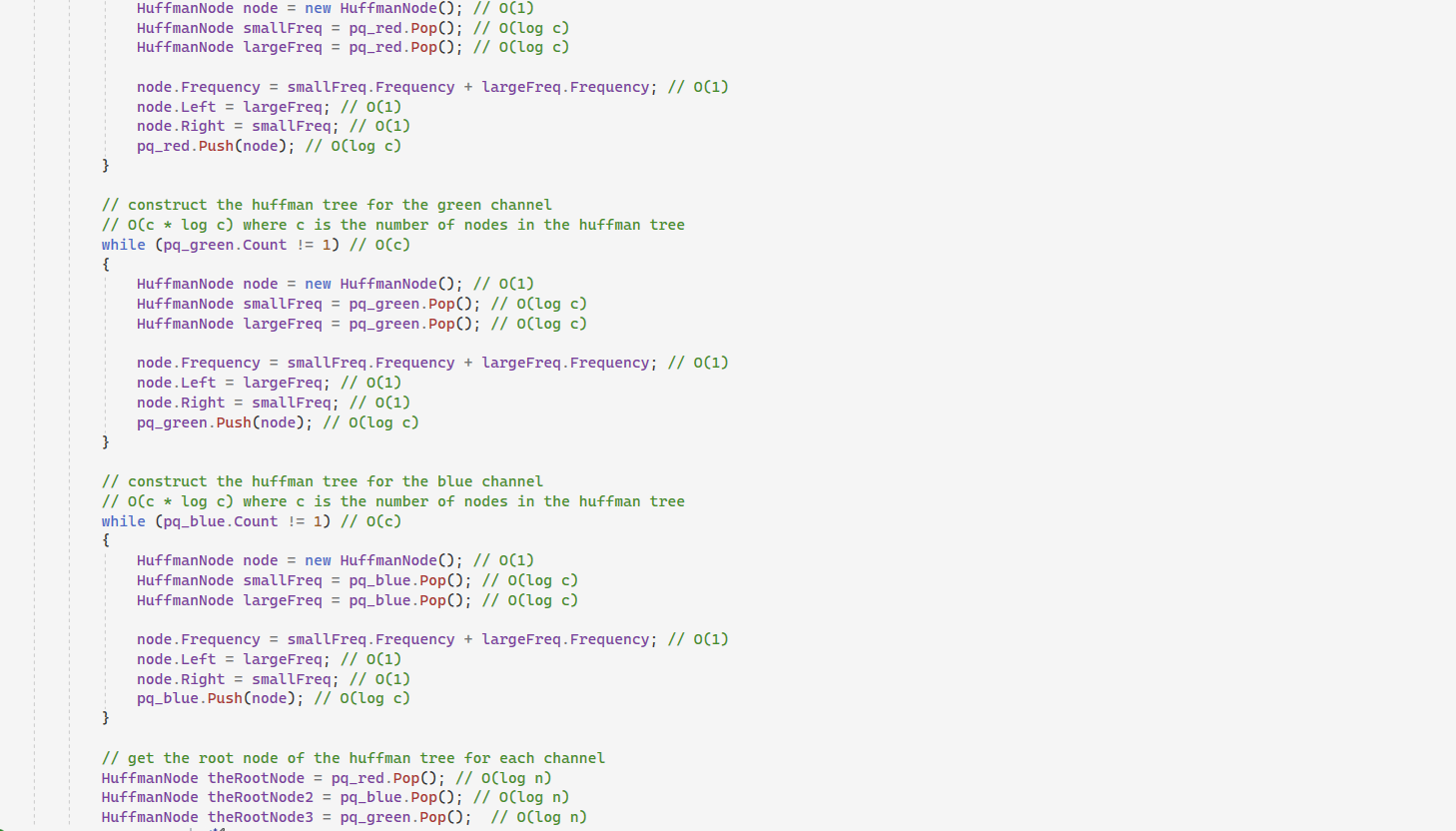
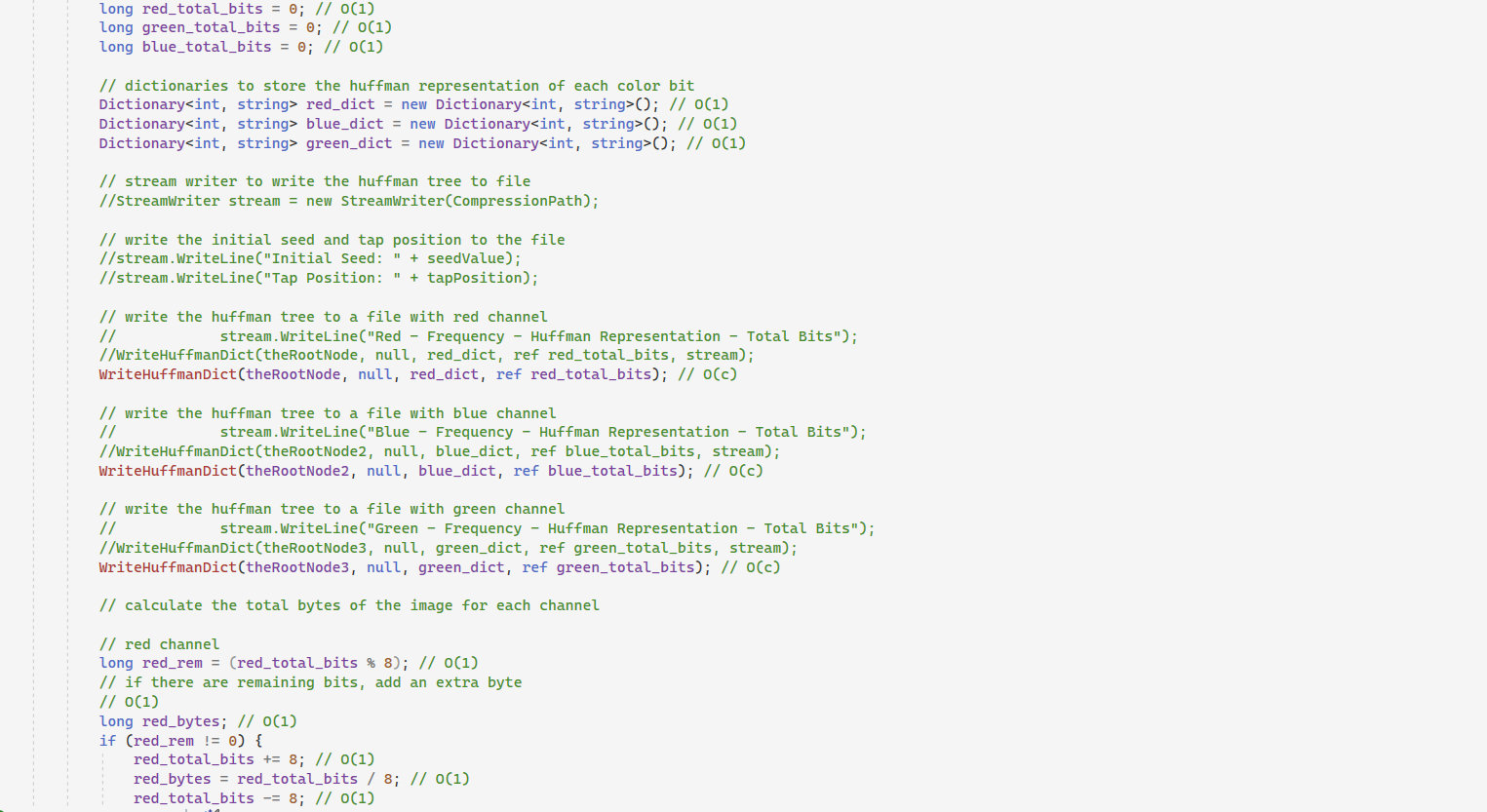
1. Code of Save Image function :

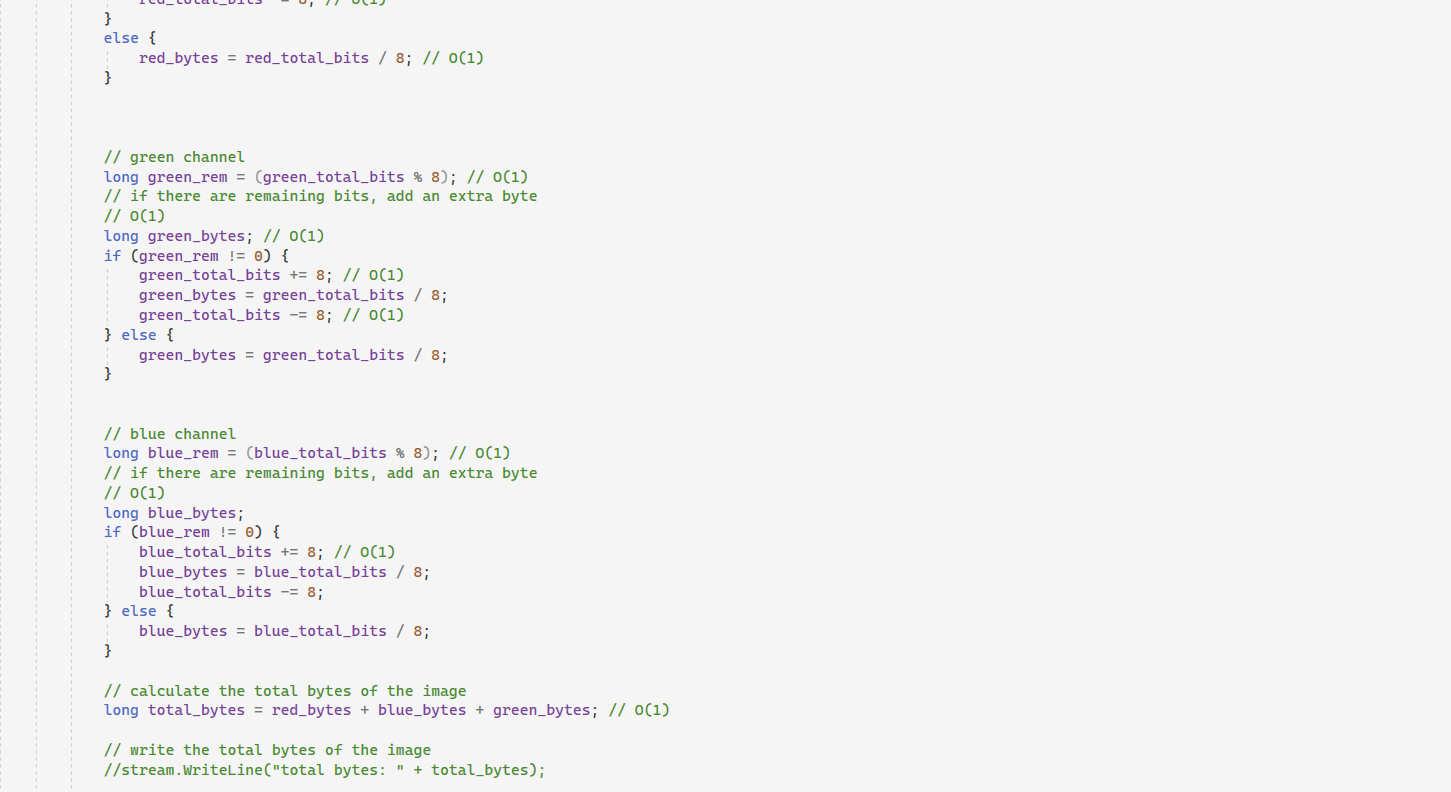
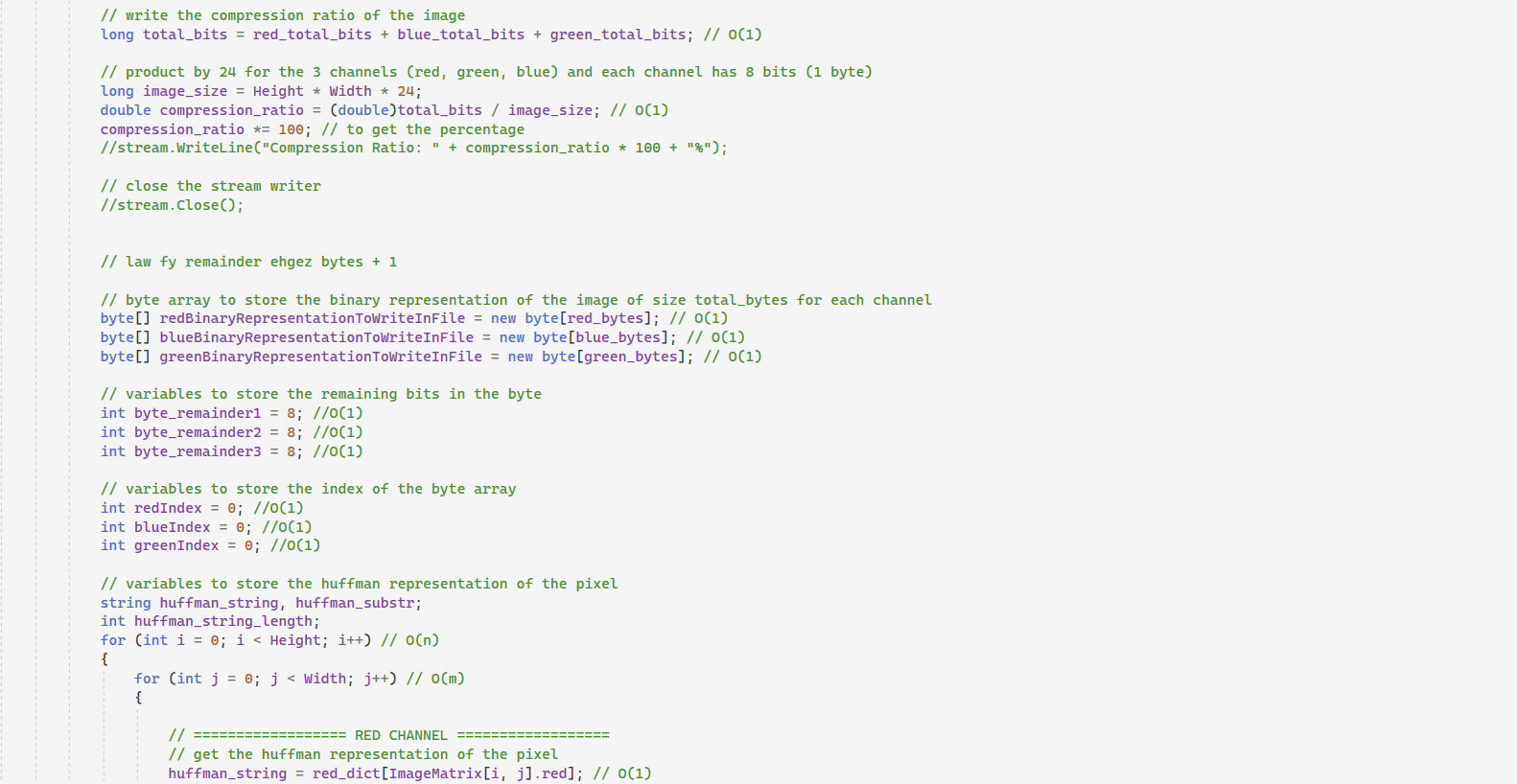


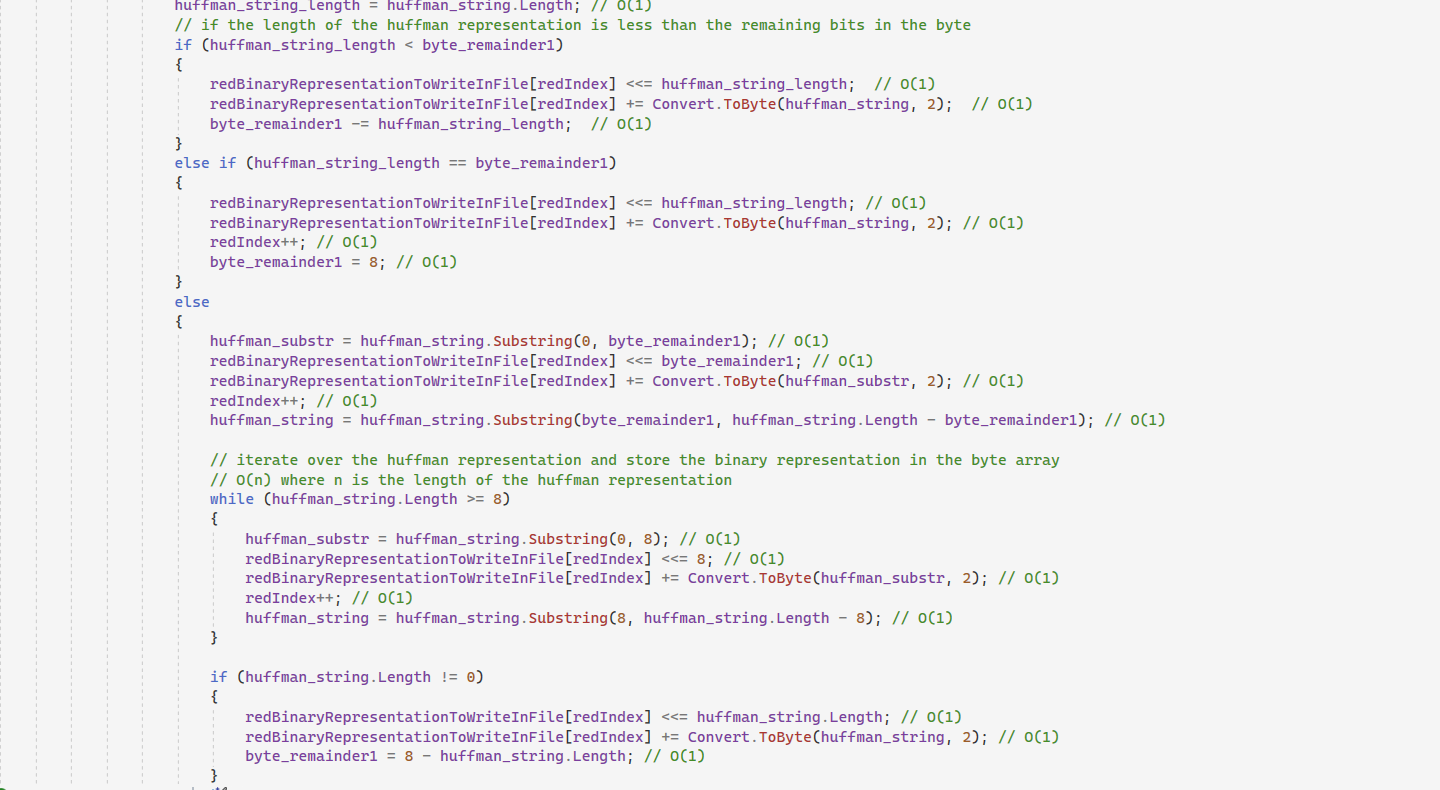
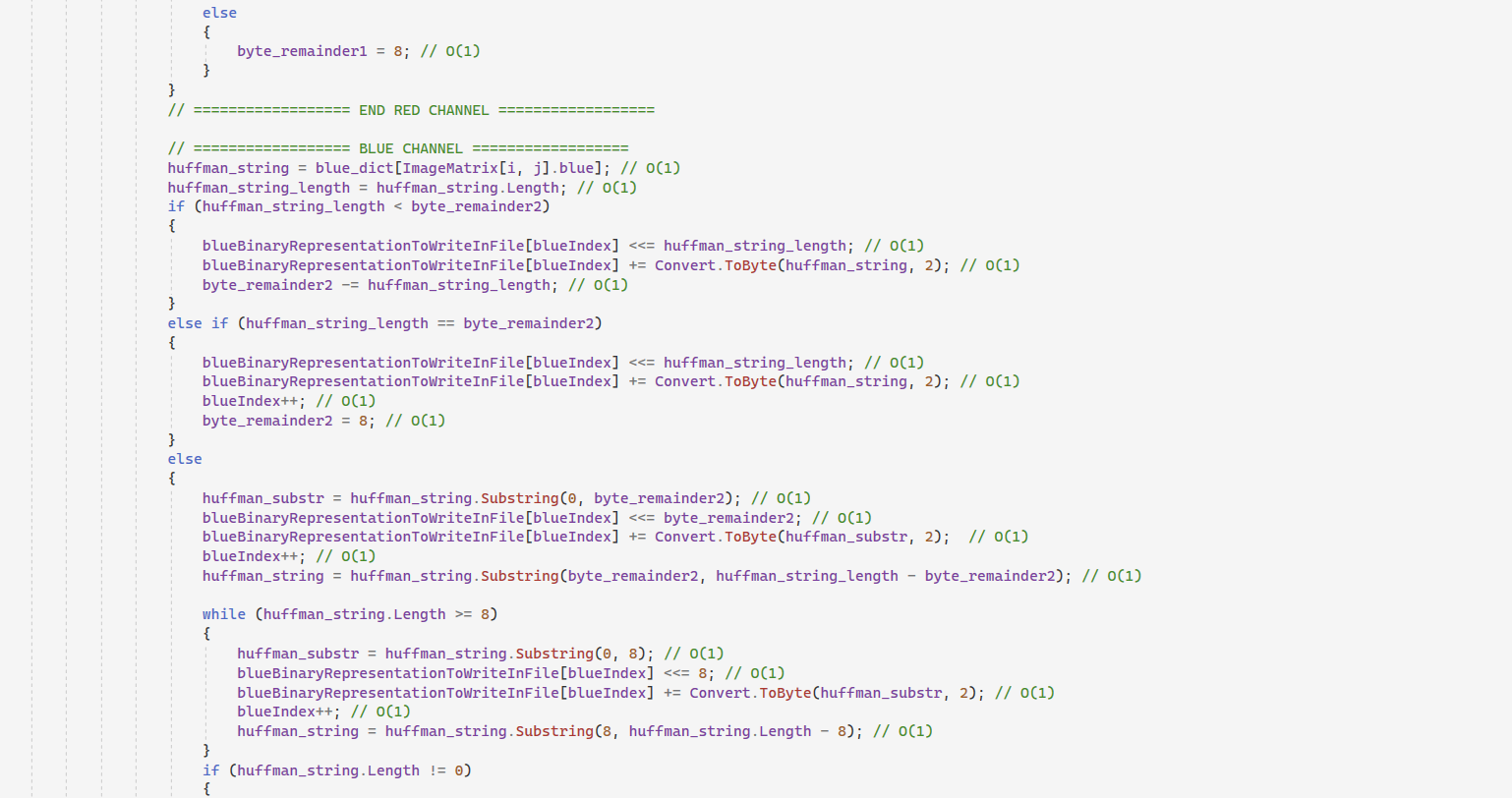
1. Code of WriteHuffmanDict function :

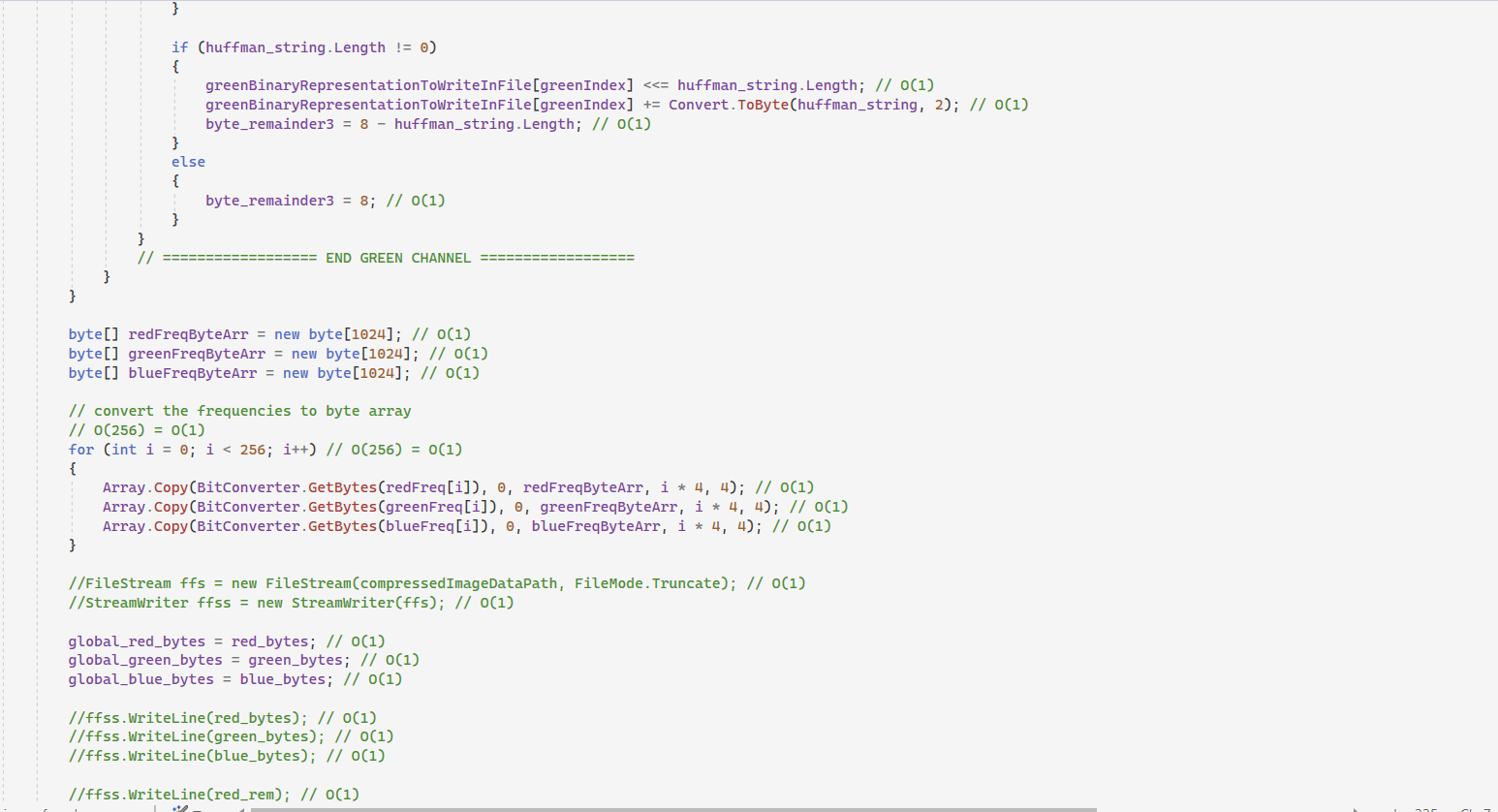


1. Code of Compress Image function :

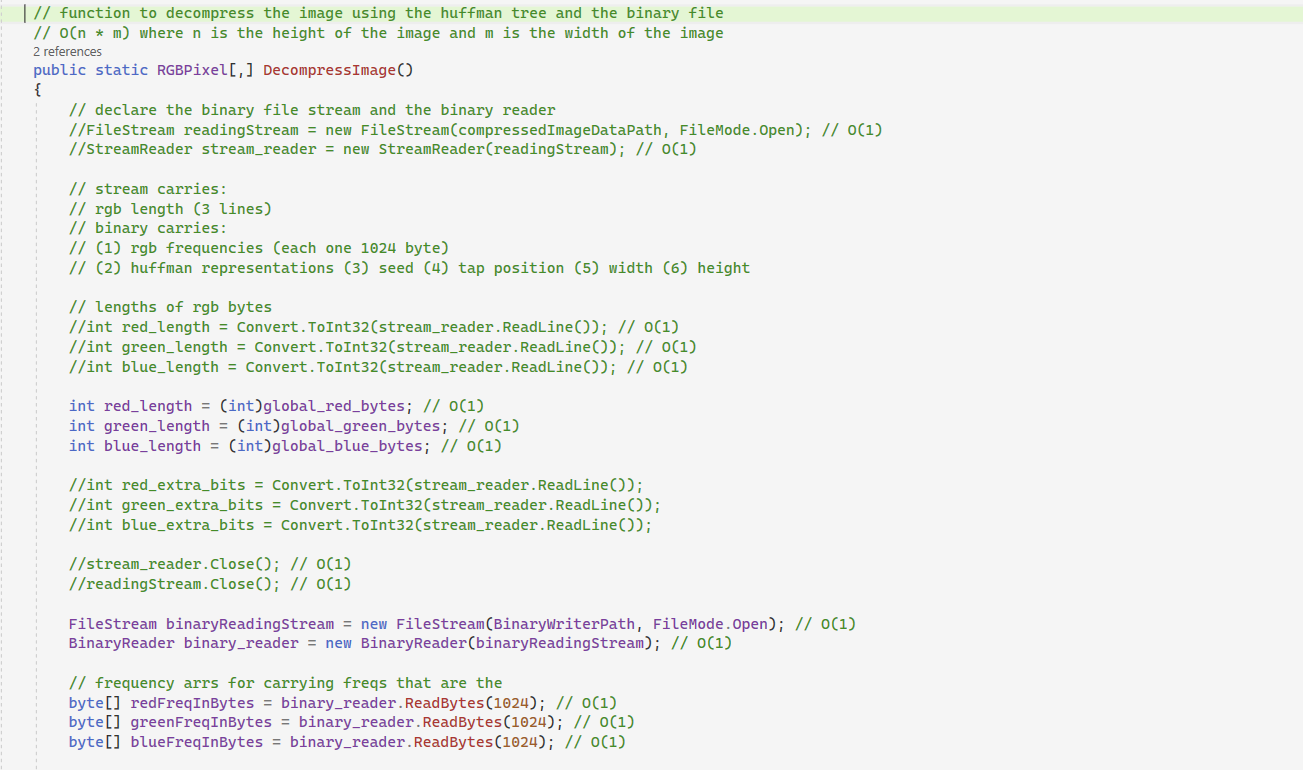


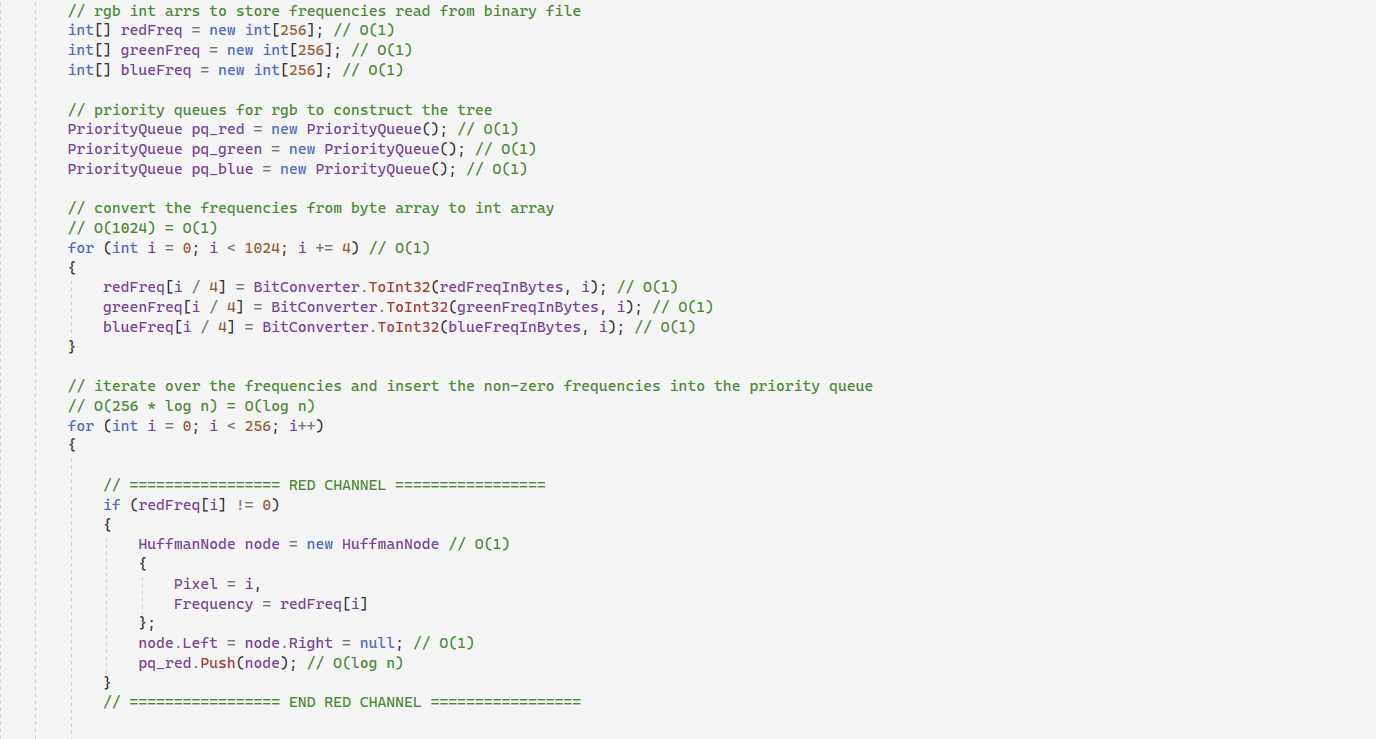
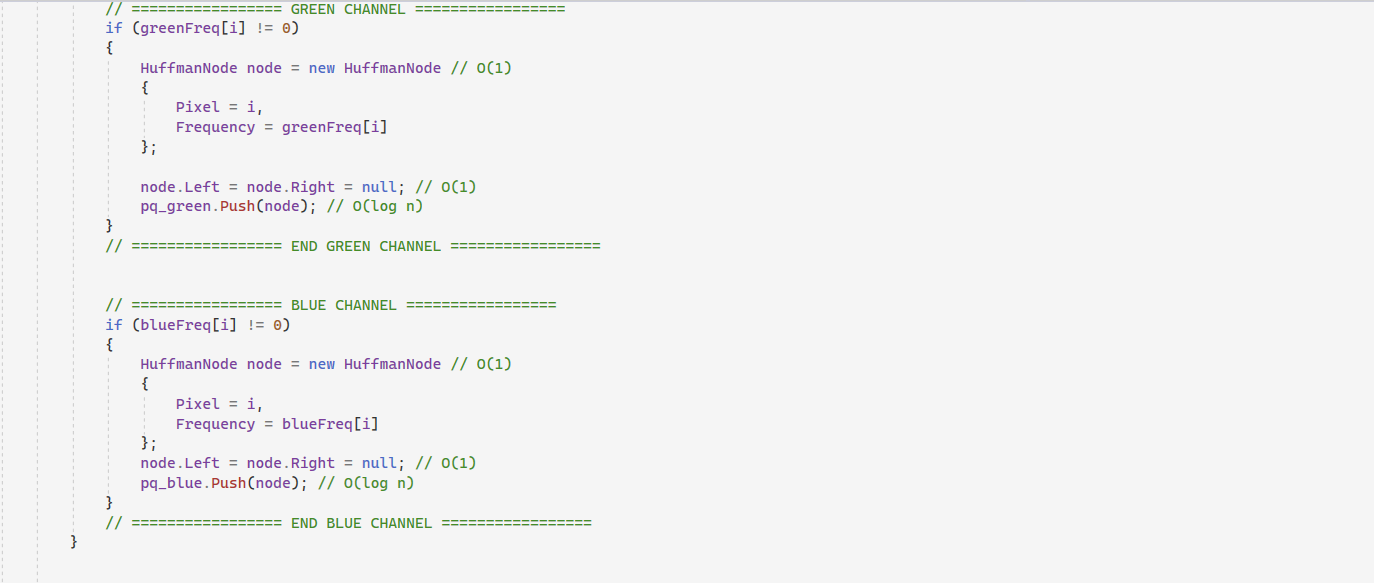


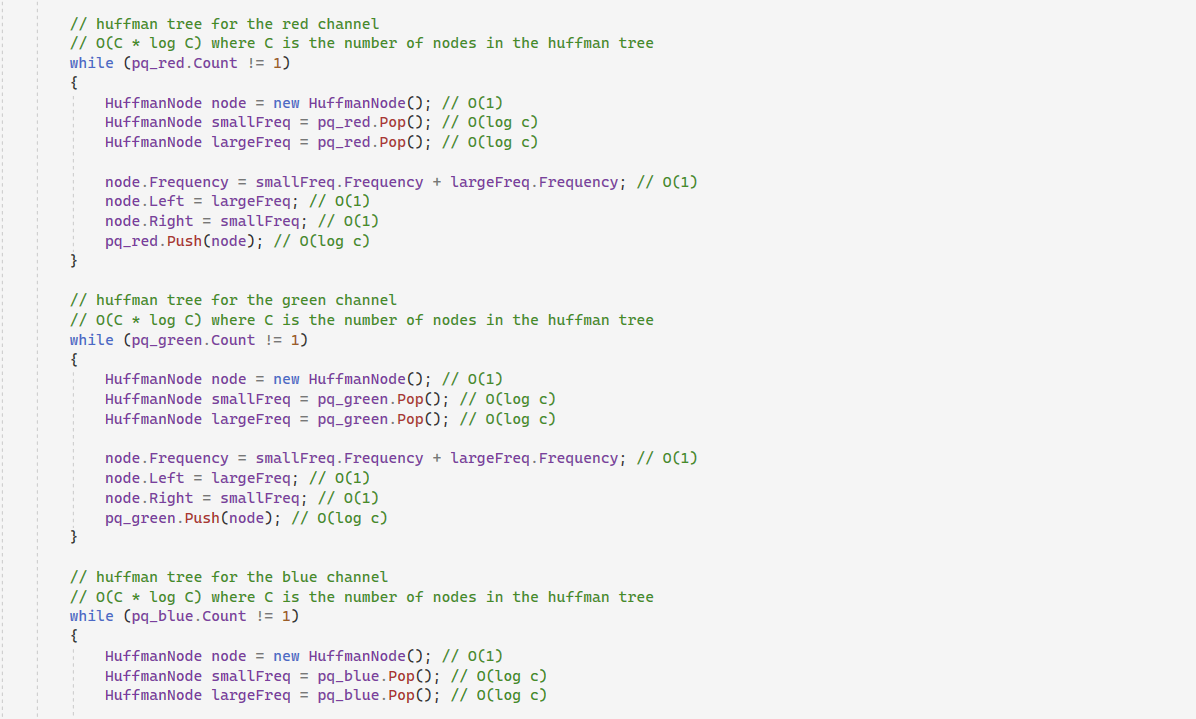
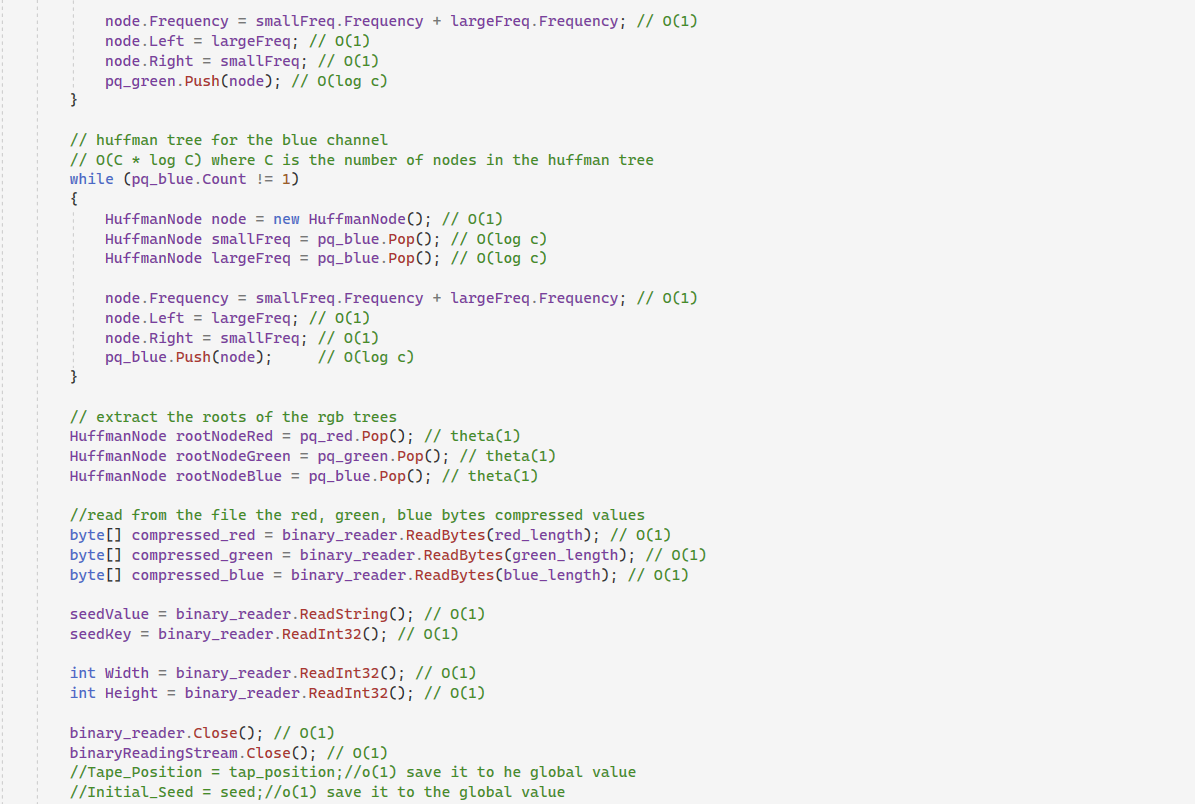


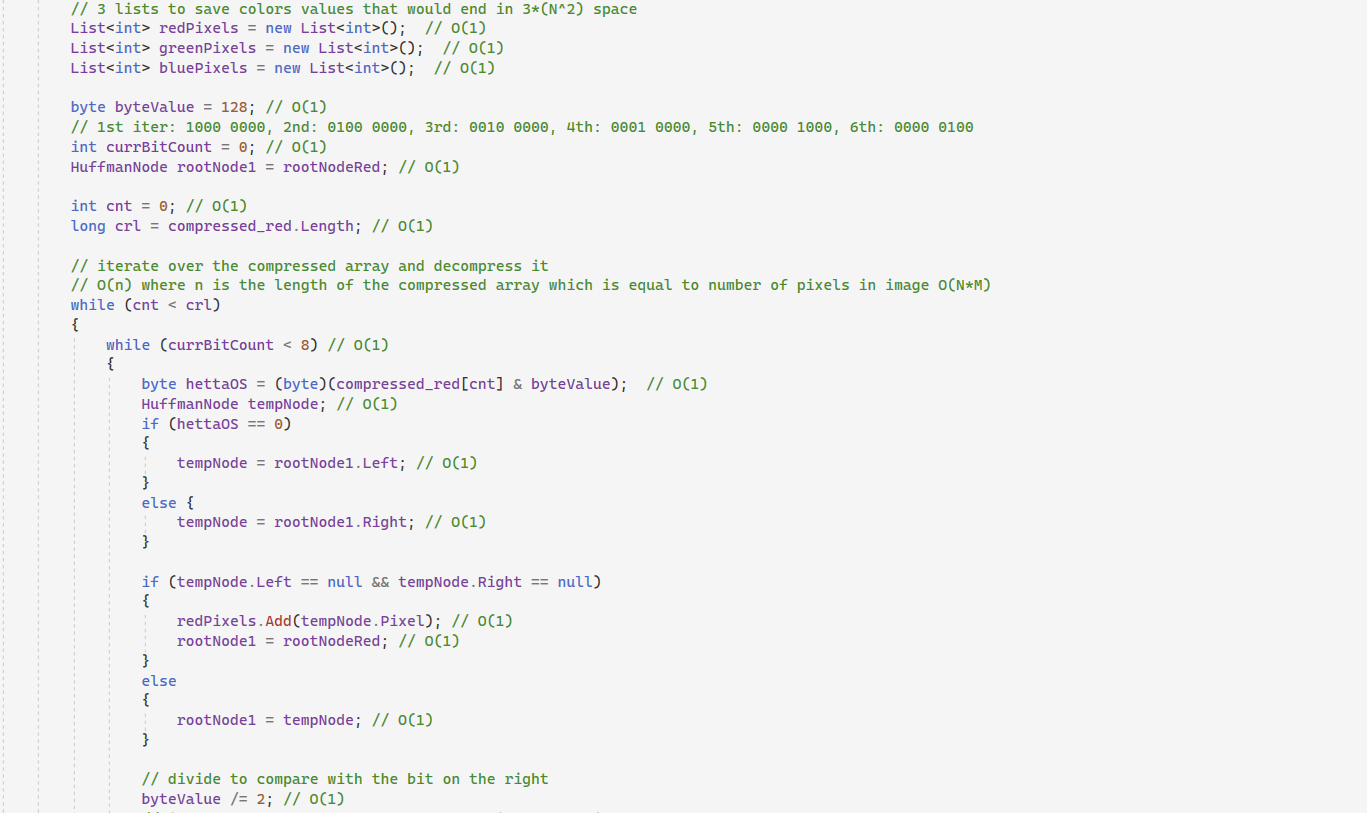
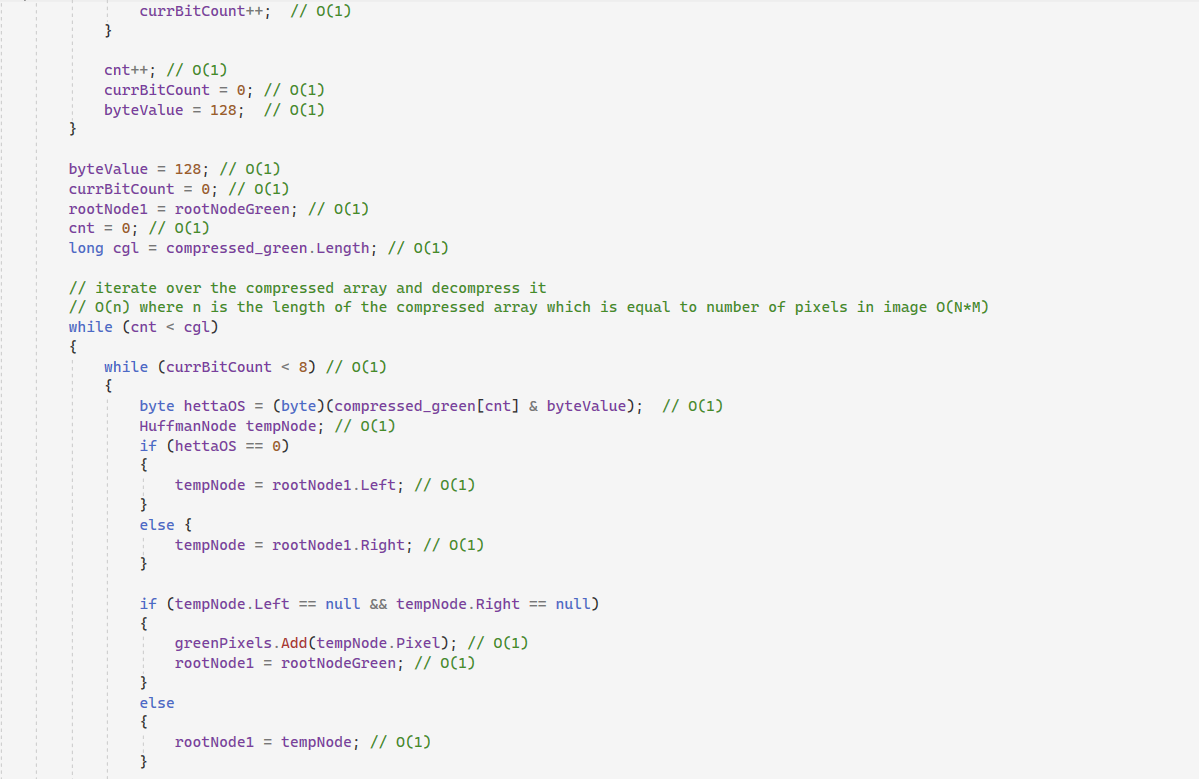


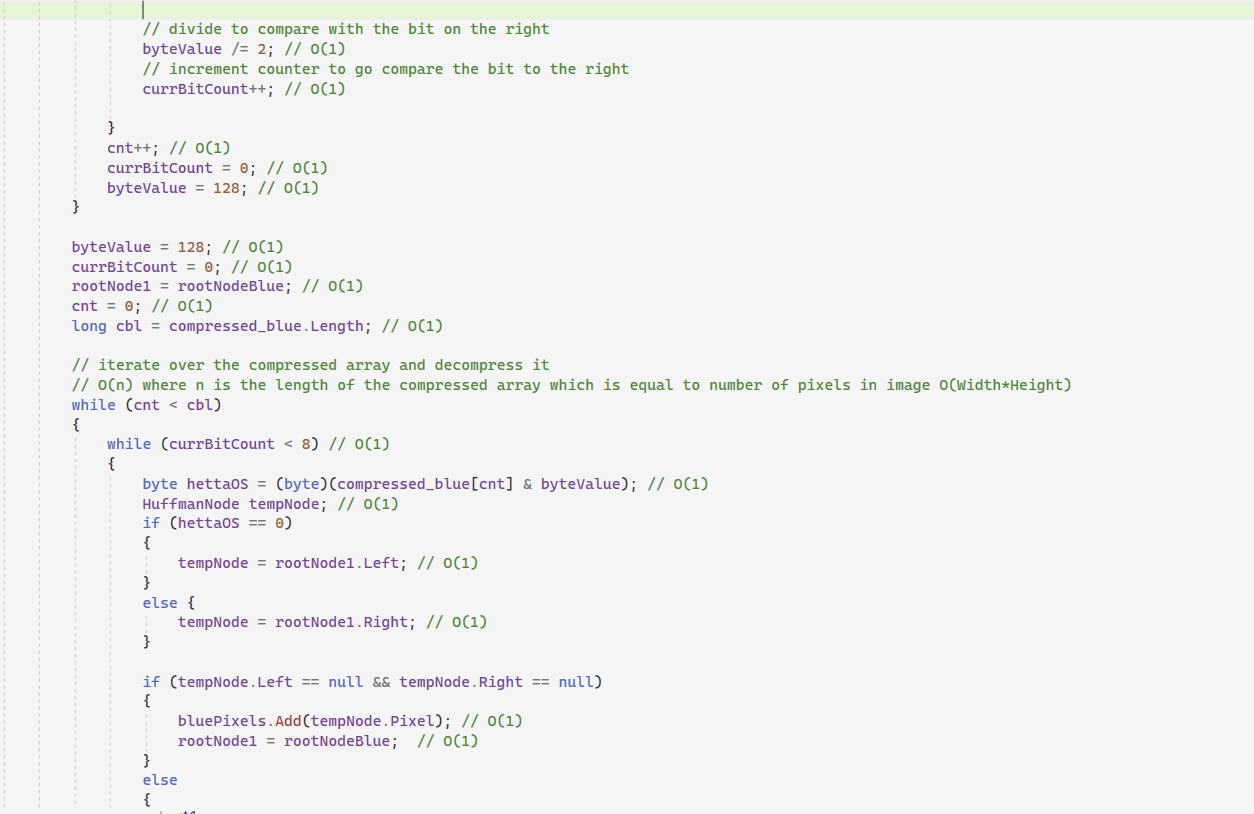
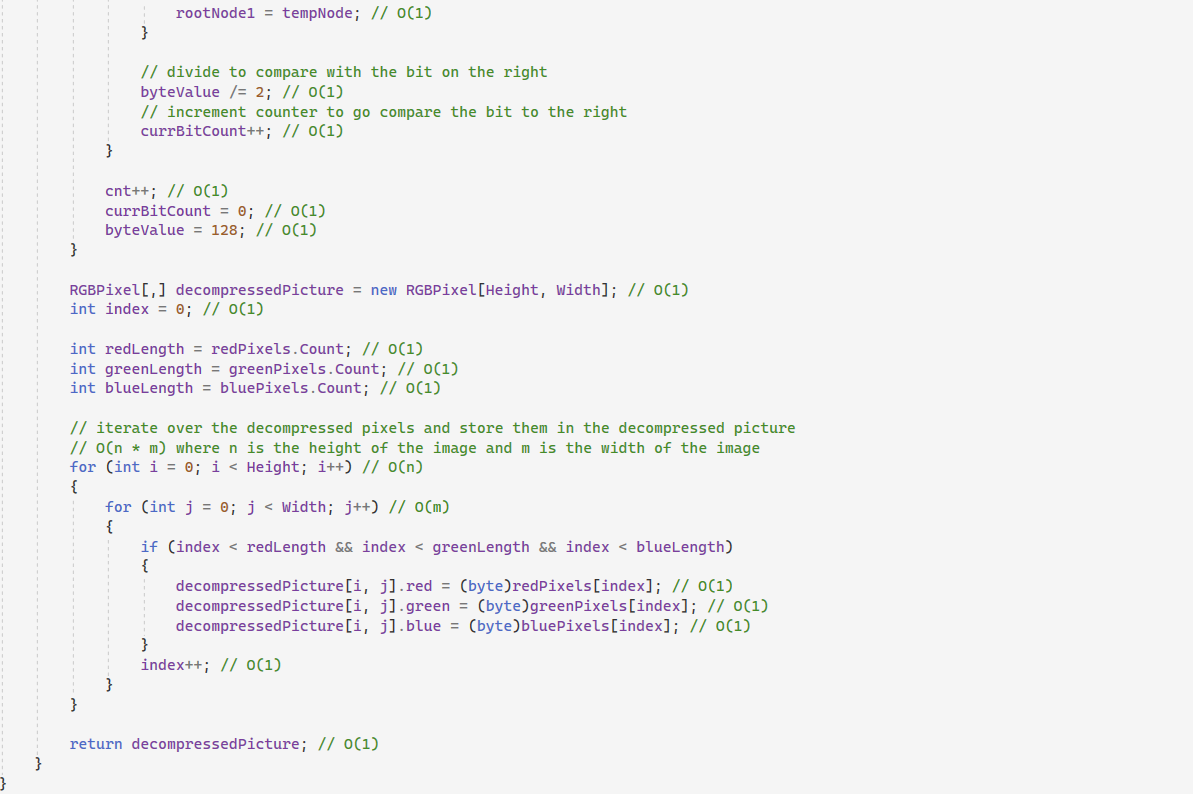


1. Code of Decompress Image function :

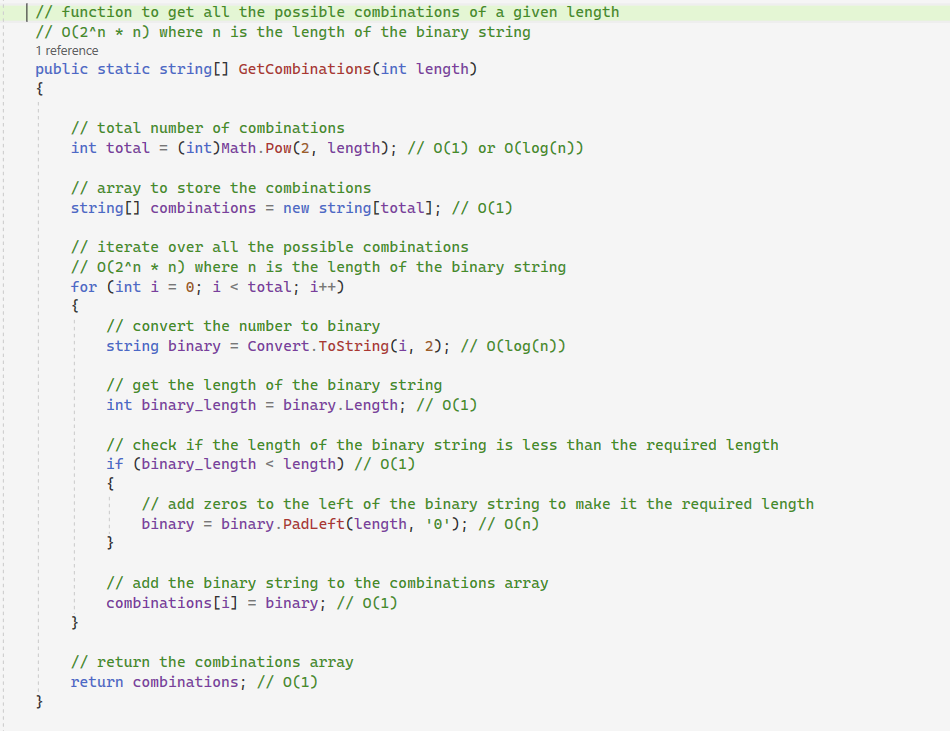


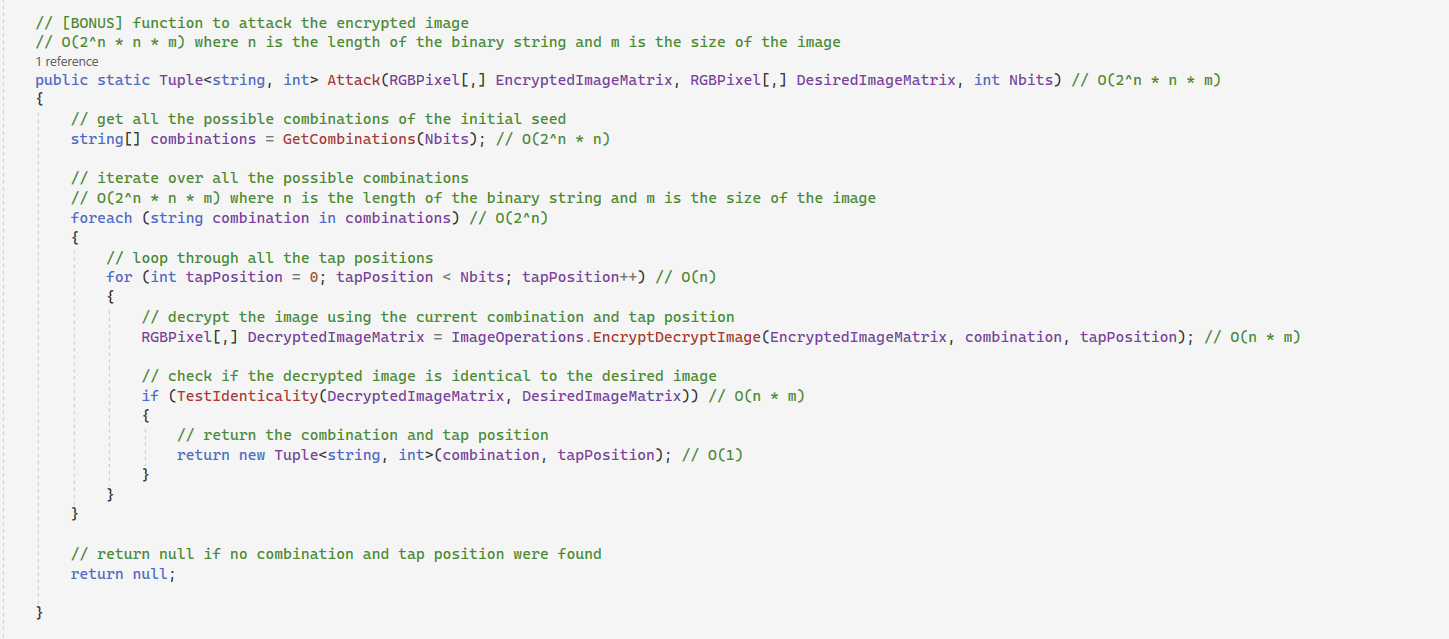


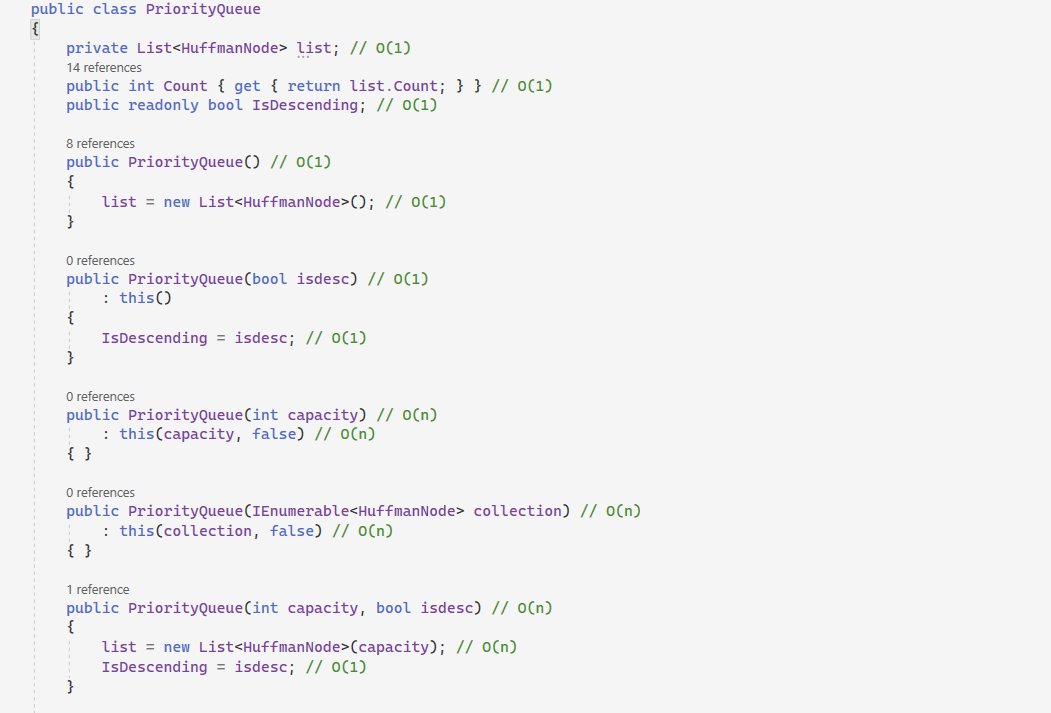
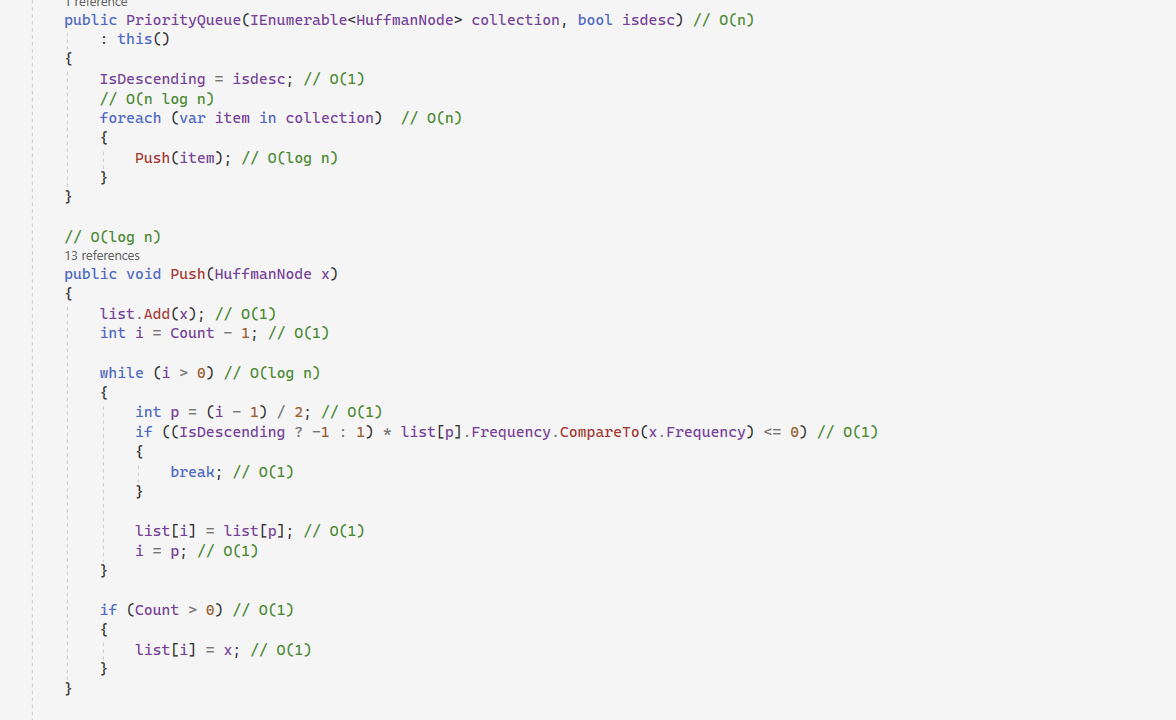


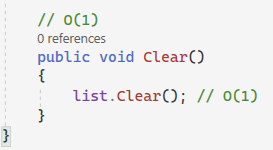
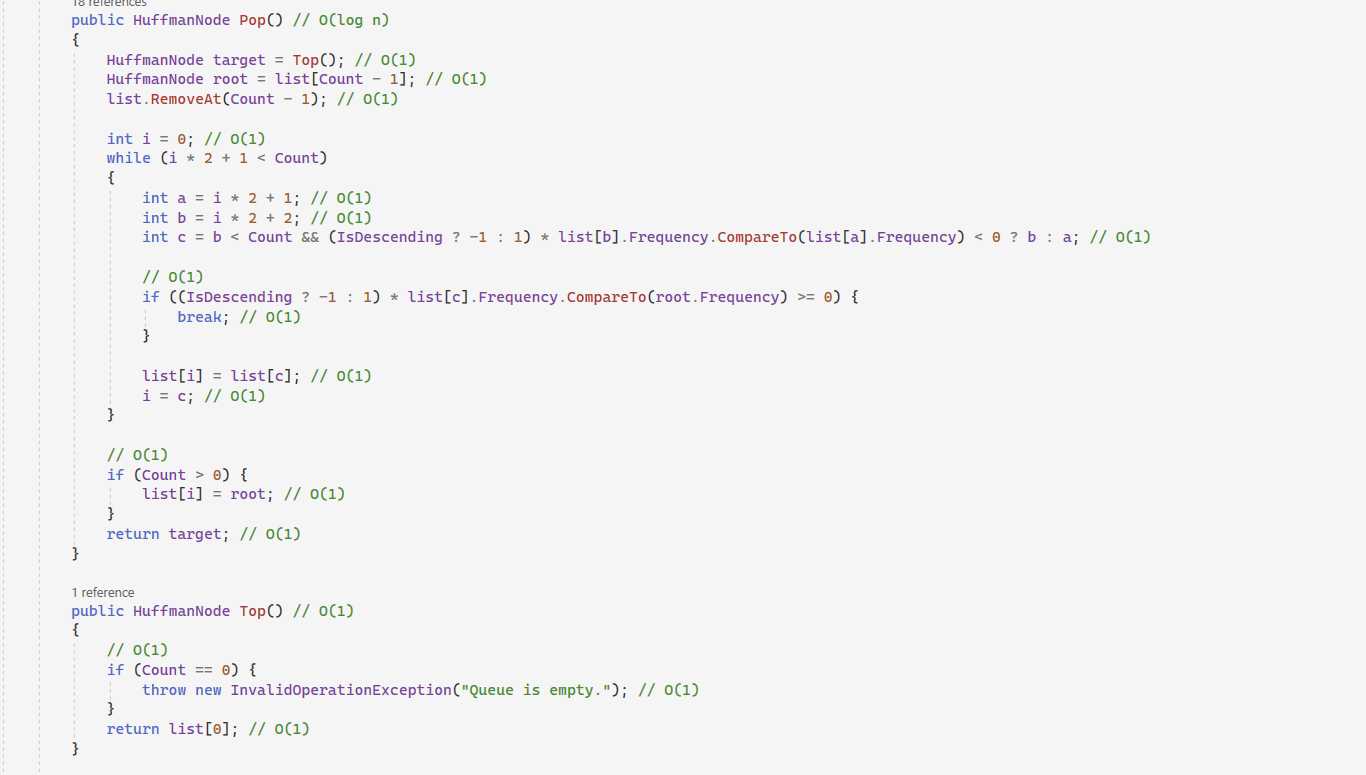


1. Code of Get Combinations helper bonus function :



1. Code of Attack bonus function :
2. Code of Priority queue class :





|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Initial seed** | **Tap position** | **Image** | **With encryption** | **Without encryption** |
| 0011001101010101 | 8 | Small\_case1 | 100% | 79.763% |
| 111111110000000011111111000000001111111100000000 | 47 | Small\_case2 | 24.905% | 24.905% |
| |  | | --- | | 01101000010100010000 | | 16 | Medium\_case1 | 100% | 85.224% |
| 00101 | 0 | Medium\_case2 | 86.412% | 61.032% |
| 00101 | 3 | Large\_case1 | 94.336% | 73.312% |
| 0000 | 3 | Large\_case2 | 90.786% | 90.786% |

**Compression Ratio Table:**