

```

                                intermediate.txt
1000    COPY    START    1000    0
1000    FIRST   STL      RETADR  0
1003    CLOOP   JSUB     RDREC   0
1006                                     LDA    LENGTH  0
1009                                     COMP   ZERO    0
1012                                     JEQ    ENDFIL  0
1015                                     JSUB   WRREC   0
1018                                     J      CLOOP   0
1021    ENDFIL   LDA      EOF     0
1024                                     STA    BUFFER  0
1027                                     LDA    THREE   0
1030                                     STA    LENGTH  0
1033                                     JSUB   WRREC   0
1036                                     LDL     RETADR  0
1039                                     RSUB   RETURN  0
1042    EOF      BYTE    X'F1'    0
1283    THREE    WORD    3        0
1286    ZERO     WORD    0        0
1289    RETADR   RESW    1        0
1292    LENGTH   RESW    2        0
1298    BUFFER   RESB    4096     0
5394    RDREC    LDX     ZERO     0
5397                                     LDA    ZERO    0
5400    RLOOP    TD      INPUT    0
5403                                     JEQ    RLOOP   0
5406                                     RD      INPUT   0
5409                                     COMP   ZERO    0
5412                                     JEQ    EXIT    0
5415                                     STCH   BUFFER,X    0
5418                                     TIX    MAXLEN  0
5421                                     JLT    RLOOP   0
5424    EXIT      STX     LENGTH   0
5427                                     RSUB   RETURN  0
5430    INPUT     BYTE    Y'F1'    3
5430    MAXLEN    WORD    4096     0
5433    WRREC     LDX     ZERO     0
5436    WLOOP     TD      OUTPUT   0
5439                                     JEQ    WLOOP   0
5442                                     LDCH   BUFFER,X    0
5445                                     WD      OUTPUT  0
5448                                     TIX    LENGTH  0
5451                                     JLT    WLOOP   0
5454                                     RSUB   RETURN  0
5457    OUTPUT    BYTE    X'05'    0
5462                                     END     FIRST   0

```

Printing Error Code List:

intermediate.txt

```
*=====*  
    No Error = 0  
    Duplicate Label = 1  
    Illegal Label = 2  
    Illegal Operation = 3  
    Illegal Data Storage Directive = 4  
    Missing START Directive = 5  
    Missing END Directive = 6  
    Too Many Symbols = 7  
    Program Too Long = 8  
*=====*
```