



TEJINDER SINGH MARWAH
B.E. (Electronics & Comm.)

article

File DisIntegrator

The program, present here, is highly useful when size of data to be transferred from one computer to another is greater than the size of the storage media i.e. floppy. Many people come across such situations when the size of a particular file which is to be transferred to the floppy, is greater than 1.44MB and hence cannot be transported to another system through floppy. This is also true when the file is to be sent through e-mail in the form of attachments, because the transfer capability of some e-mail services is limited to some Kbytes.

The C program here has the capability to disintegrate a large file into smaller ones which can be easily sent through different medias to another computer system and re-assemble these files into one large file. The program has the capability to disintegrate one large file into smaller files of as small as 1Kbyte and as large as 32 Mbytes each.

The lower limit can be still lowered by slight modification in the C code while the upper limit generally depends on the RAM (Random Access Memory) of the system.

This program can be used to disintegrate any type of files except .LOG files. It has been used to disintegrate 51.4 Mbytes Movie File (.DAT) into 52 files of 1024 Kbytes each and re-assembled successfully. It has been tested to disintegrate and re-assemble the files of type .EXE, .COM, .MP3, .WAV, .ZIP, .BMP, .GIF, .JPG, .TXT, .DOC, .SWG, .PDF, .AVI, .HTM, .PPT, .RAR, .MPG, .DWG, .WMF, .TIF, .RMF, .C, .H, .M and even .DAT

Since this program works in DOS environment, so it can be used to disintegrate those files only having names of the form NNNNN.EEE, that is, file name should be of at most 5-characters and file extension of at most 3-characters.

 **How to use File DisIntegrator**

  **Run File DisIntegrator**

 **Show me C source file**

 **Show me C header file**

Phone No : 011-5112114, 011-5434858
e-mail : tejinder_marwah@hotmail.com
Web site : <http://tejinder.andmuchmore.com>

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How to Use File *Dis*Integrator

1. Run the ASSEMBLE.EXE file by double clicking on it. Press Alt+Enter keys.
2. It will show three options as shown below

```
Welcome to "FILE disINTEGRATOR" BY TEJINDER SINGH

To Change the option : Use TAB key
To Select the option : Use ENTER key

Disintegrate the File
Assemble the File
Exit_
```

3. Press ENTER key to select the first option. Enter the file to be disintegrated TEST.MP3 . It will check the total size of file. Now, it will ask to enter the size of one file. To make exactly 1Mb size, write 1024 and press ENTER. After disintegrating the file the screen will change to as below.



```
"FILE disINTEGRATOR" By Tejinder Singh

Enter File Name (with file extension)
Format (NNNNN.EEE) : test.mp3
File Size      : 6.00 Mega Byte

Size of one File (in K Bytes), Range: 1 to 32768
For making 1Mbyte, write 1024 : 1024
Approx. Number of files :6

Files created...
*****
TEST1.DAT (1024.00 Kilo Byte)      TEST2.DAT (1024.00 Kilo Byte)
TEST3.DAT (1024.00 Kilo Byte)      TEST4.DAT (1024.00 Kilo Byte)
TEST5.DAT (1024.00 Kilo Byte)      TEST6.DAT (1024.00 Kilo Byte)
*****
Total Number of Files created : 6
File " TEST.MP3 " Disintegrated SUCCESSFULLY
Press any key to exit
```

4. Now the original file has been disintegrated into smaller files. Also the original file remain there intact. Press any key to exit

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- At the destination system bring all the files including one additional file of TEST.LOG and again run the ASSEMBLE.EXE. Now choose the second option by pressing the TAB key followed by ENTER key as shown below.

```

Welcome to "FILE disINTEGRATOR" BY TEJINDER SINGH
-----
To Change the option : Use TAB key
To Select the option : Use ENTER key

    Disintegrate the File

    Assemble the File

    Exit

```

6. Now, it will ask to enter the LOG file name. Write TEST or TEST.LOG . Make sure all the disintegrated files and TEST.LOG file are present in the same folder as that of ASSEMBLE.EXE The program will now assemble .DAT files into one big file as shown below.

[illegible]

7. When all the files have been assembled into one large file, the program will show the **SUCCESSFUL** message. Press any key to exit the program.

[illegible]

Run File *DisIntegrator*

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