```
//This class uses five threads representing five partitions of a file and merges them
to recreate the original file.

import java.io.*;
import java.util.ArrayList;

public class Merger implements Runnable //Merger class implements the Runnable
interface
{
	public void run() //run method from the runnable interface
	{
		ArrayList<String> list = new ArrayList<String>();
		try
		{
			BufferedReader br1 = new BufferedReader(new
FileReader("file1.txt"));
			BufferedReader br2 = new BufferedReader(new
FileReader("file2.txt"));
			BufferedReader br3 = new BufferedReader(new
FileReader("file3.txt"));
			BufferedReader br4 = new BufferedReader(new
FileReader("file4.txt"));
			BufferedReader br5 = new BufferedReader(new
FileReader("file5.txt"));

			String s1,s2,s3,s4,s5 =null;

			//reading from the partitions and writing in the original file
			while ((s1 = br1.readLine()) != null)
			{
				list.add(s1);
			}
			while((s2 = br2.readLine()) != null)
			{
				list.add(s2);
			}

			while((s3 = br3.readLine()) != null)
			{
				list.add(s3);
			}

			while((s4 = br4.readLine()) != null)
			{
				list.add(s4);
			}

			while((s5 = br5.readLine()) != null)
			{
				list.add(s5);
			}

			BufferedWriter writer=null;
			writer = new BufferedWriter(new FileWriter("original.txt"));
			String listWord;
```

```
                for (int i = 0; i< list.size(); i++)
                {
                        listWord = list.get(i);
                        writer.write(listWord);
                        writer.write("\n");
                }
                System.out.println();
                System.out.println("Merging Done.");
                writer.close();
            }
            catch (IOException e)
            {
                e.printStackTrace();
            }
        }

        public static void main(String[] args) throws IOException
        {
            Merger merge = new Merger();
        }

}
```

File1	10/30/2017 5:50 PM	Text Document	102,400 KB
File2	10/30/2017 5:50 PM	Text Document	102,400 KB
File3	10/30/2017 5:50 PM	Text Document	102,400 KB
File4	10/30/2017 5:50 PM	Text Document	102,400 KB
File5	10/30/2017 5:50 PM	Text Document	102,400 KB
newfile	10/31/2017 11:52 ...	Text Document	512,000 KB

File1	10/31/2017 11:58 ...	Text Document	419,431 KB
File2	10/31/2017 11:58 ...	Text Document	419,431 KB
File3	10/31/2017 11:58 ...	Text Document	419,431 KB
File4	10/31/2017 11:59 ...	Text Document	419,431 KB
File5	10/31/2017 11:59 ...	Text Document	419,431 KB
newfile	11/1/2017 12:04 AM	Text Document	2,097,152 KB