

## How to Compare Gedcoms and Find Surnames using the GedComUtility (GCU)

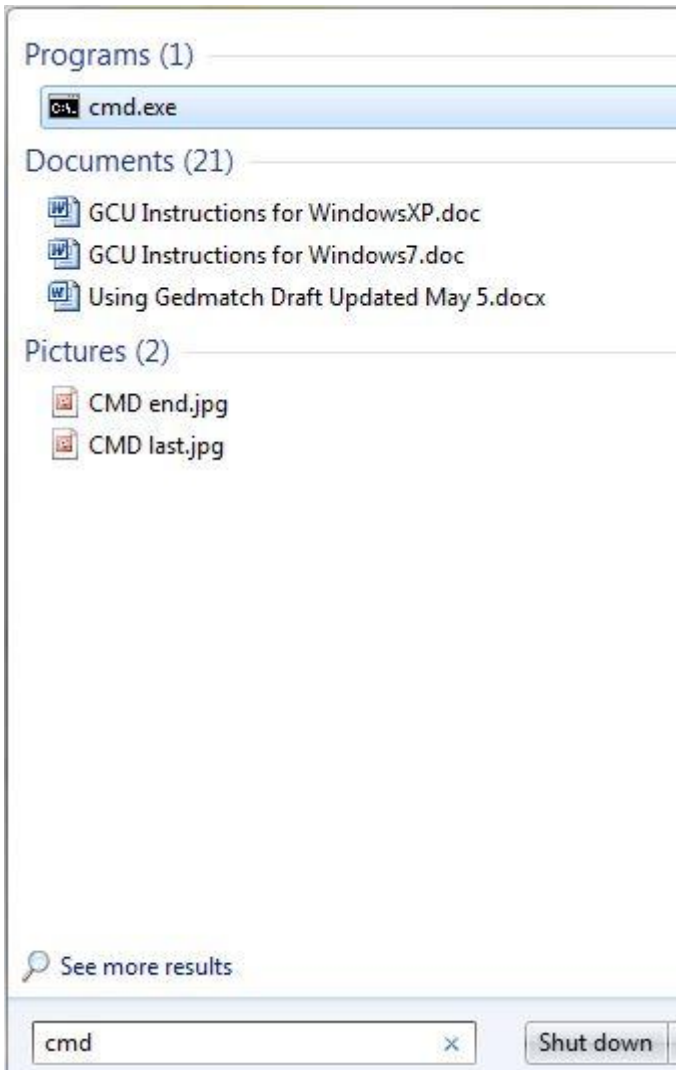
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1. Download the GedComUtility (GCU) at <http://www.dnagedcom.com/GedComUtility/gedcomutility.zip>. Open it and extract all 24 files to a specific directory/folder.
2. Copy/Add the gedcoms you want to compare to the SAME directory/folder.

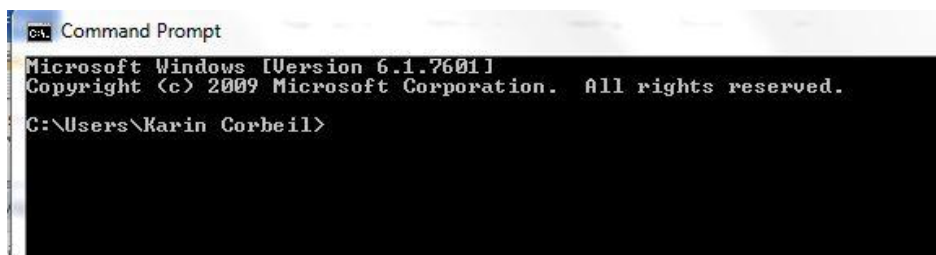
The gedcoms you want to compare AND the 24 GCU files should be in the SAME directory. Did you extract all the files (24 files) from the gedcomutility.zip file? It should look like this in your Windows Explorer (I've highlighted the gedcoms files I added):

Name	Date modified	Type
GCU.exe	7/17/2013 6:37 AM	Application
GCU.vshost.exe	7/17/2013 6:37 AM	Application
FamilyTreeDNA.dll	7/17/2013 6:37 AM	Application extension
Gedcom.dll	7/17/2013 6:37 AM	Application extension
Gedcom.Reports.dll	7/17/2013 6:37 AM	Application extension
GedcomParser.dll	7/17/2013 6:37 AM	Application extension
GedMatch.dll	7/17/2013 6:37 AM	Application extension
HtmlAgilityPack.dll	7/17/2013 6:37 AM	Application extension
Newtonsoft.Json.dll	7/17/2013 6:37 AM	Application extension
TaskFactory.dll	7/17/2013 6:37 AM	Application extension
Utility.dll	7/17/2013 6:37 AM	Application extension
GCU.exe.config	7/17/2013 6:37 AM	CONFIG File
Abell.ged	7/12/2013 2:29 PM	GED File
Dodson.ged	5/31/2013 11:42 AM	GED File
Karin Only with DNA matches.ged	7/8/2013 7:38 AM	GED File
FamilyTreeDNA.pdb	7/17/2013 6:37 AM	PDB File
GCU.pdb	7/17/2013 6:37 AM	PDB File
Gedcom.pdb	7/17/2013 6:37 AM	PDB File
Gedcom.Reports.pdb	7/17/2013 6:37 AM	PDB File
GedcomParser.pdb	7/17/2013 6:37 AM	PDB File
GedMatch.pdb	7/17/2013 6:37 AM	PDB File
HtmlAgilityPack.pdb	7/17/2013 6:37 AM	PDB File
Newtonsoft.Json.pdb	7/17/2013 6:37 AM	PDB File
TaskFactory.pdb	7/17/2013 6:37 AM	PDB File
Utility.pdb	7/17/2013 6:37 AM	PDB File
HtmlAgilityPack.xml	7/17/2013 6:37 AM	XML Document
Newtonsoft.Json.xml	7/17/2013 6:37 AM	XML Document

3. Then open your DOS command window by going to **Start**, type in the search box **cmd**, then click on the program **cmd.exe**.



This will come up:



4. Type in **cd** (to change directory) and then the path to the folder where the GCU and gedcoms are. Mine is in **C:\Users\Karin Corbeil\Documents\DNA\GCU\gedcomutility 7-17-2013**. Then hit enter.

```
Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Karin Corbeil>cd C:\Users\Karin Corbeil\Documents\DNA\GCU\gedcomutility 7-17-2013
C:\Users\Karin Corbeil\Documents\DNA\GCU\gedcomutility 7-17-2013>
```

Once we have the correct directory/folder,

5. type in: **gcu -compdir "C:\Users\Karin Corbeil\Documents\DNA\GCU\gedcomutility 7-17-2013"**

```
Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Karin Corbeil>cd C:\Users\Karin Corbeil\Documents\DNA\GCU\gedcomutility 7-17-2013
C:\Users\Karin Corbeil\Documents\DNA\GCU\gedcomutility 7-17-2013>gcu -compdir "C:\Users\Karin Corbeil\Documents\DNA\GCU\gedcomutility 7-17-2013"
```

DON'T FORGET THE QUOTES around the directory where the GCU and Gedcoms are, hit enter:

Give it about 30 seconds to start working and it will then scroll all the gedcoms looking for matches. It will look like this:

```
Found William Porter Born: 07 NOV 1760 in Coventry, Windham, Connecticut, United States Died: 03 MAR 1
Found William Porter Born: 13 OCT 1728 in Coventry, Tolland, Connecticut, United States Died: 23 JAN 1
Exact Match
Found William Porter Born: 1596 in Felsted, Essex, ENGLAND Died: 26 MAY 1635 at Felstead, Essex, , Eng
Found William Porter Born: 1596 in Felsted, Essex, ENGLAND Died: 26 MAY 1635 at Felstead, Essex, , Eng
Exact Match
Found William Porter Born: 13 OCT 1728 in Coventry, Tolland, Connecticut, United States Died: 23 JAN 1
Found William Porter Born: 13 OCT 1728 in Coventry, Tolland, Connecticut, United States Died: 23 JAN 1
Exact Match
Found William Porter Born: 04 NOV 1797 in Washington, Ohio, United States Died: 12 NOV 1877 at Edwards
Found William Porter Born: 04 NOV 1797 in Washington, Ohio, United States Died: 12 NOV 1877 at Edwards
Found William Porter Born: 07 NOV 1760 in Coventry, Windham, Connecticut, United States Died: 03 MAR 1
Found William Porter Born: 13 OCT 1728 in Coventry, Tolland, Connecticut, United States Died: 23 JAN 1
Exact Match
Found William Porter Born: 30 AUG 1674 in Salem, Essex, Massachusetts, USA Died: 07 MAY 1732 at Norton
Found William Porter Born: 30 AUG 1674 in Salem, Essex, Massachusetts, USA Died: 07 MAY 1732 at Norton
Exact Match
Found William Porter Born: 28 OCT 1682 Died: 20 NOV 1766
Found William Porter Born: 28 OCT 1682 Died: 20 NOV 1766
Exact Match
Found William Porter Born: 13 OCT 1728 in Coventry, Tolland, Connecticut, United States Died: 23 JAN 1
Found William Porter Born: 13 OCT 1728 in Coventry, Tolland, Connecticut, United States Died: 23 JAN 1
```

When it stops running and it's finished you will have 2 new files in your directory where the GCU and gedcoms are:

The "Match.csv" file will show you where there may be "Exact Matches" (I've widened the columns to see all the info in each cell).

	A	B	C	D	E	F
1	File1	File2	Exact Match	Given1	Surname1	Birth Date1
2	DODSON.GED	KARIN ONLY.GED		?	Judson	
3	DODSON.GED	KARIN ONLY.GED		Abigail	Cowles	06 JAN 1664
4	DODSON.GED	KARIN ONLY.GED		Abigail	Porter	23 MAY 1676
5	DODSON.GED	KARIN ONLY.GED	Yes	Abigail	Porter	08 JUL 1694
6	DODSON.GED	KARIN ONLY.GED	Yes	Abigail	Porter	27 AUG 1693
7	DODSON.GED	KARIN ONLY.GED		Abigail	Porter	24 JUN 1680
8	DODSON.GED	KARIN ONLY.GED		Abigail	Safford	
9	DODSON.GED	KARIN ONLY.GED	Yes	Abigail	Williams	1

The "Surname.csv" file will list the surnames in each gedcom:

A	B
C:\USERS\KARIN CORBEIL\DOCUMENTS\DNA\GCU\GEDCOMUTILITY 7-17-2013\ABELL.GED	ABELL
C:\USERS\KARIN CORBEIL\DOCUMENTS\DNA\GCU\GEDCOMUTILITY 7-17-2013\ABELL.GED	CRAWFORD
C:\USERS\KARIN CORBEIL\DOCUMENTS\DNA\GCU\GEDCOMUTILITY 7-17-2013\ABELL.GED	NEWTON
C:\USERS\KARIN CORBEIL\DOCUMENTS\DNA\GCU\GEDCOMUTILITY 7-17-2013\ABELL.GED	
C:\USERS\KARIN CORBEIL\DOCUMENTS\DNA\GCU\GEDCOMUTILITY 7-17-2013\ABELL.GED	BOOTH
C:\USERS\KARIN CORBEIL\DOCUMENTS\DNA\GCU\GEDCOMUTILITY 7-17-2013\ABELL.GED	USHER
C:\USERS\KARIN CORBEIL\DOCUMENTS\DNA\GCU\GEDCOMUTILITY 7-17-2013\ABELL.GED	GARDINER
C:\USERS\KARIN CORBEIL\DOCUMENTS\DNA\GCU\GEDCOMUTILITY 7-17-2013\DODSON.GED	JUDSON
C:\USERS\KARIN CORBEIL\DOCUMENTS\DNA\GCU\GEDCOMUTILITY 7-17-2013\DODSON.GED	EDDY
C:\USERS\KARIN CORBEIL\DOCUMENTS\DNA\GCU\GEDCOMUTILITY 7-17-2013\DODSON.GED	O'DELL
C:\USERS\KARIN CORBEIL\DOCUMENTS\DNA\GCU\GEDCOMUTILITY 7-17-2013\DODSON.GED	COWLES
C:\USERS\KARIN CORBEIL\DOCUMENTS\DNA\GCU\GEDCOMUTILITY 7-17-2013\DODSON.GED	PORTER
C:\USERS\KARIN CORBEIL\DOCUMENTS\DNA\GCU\GEDCOMUTILITY 7-17-2013\DODSON.GED	SAFFORD

We suggest you save these two files to an \*.xlsx or \*.xls spreadsheet file and move to a different directory/folder, then delete the two \*.csv files, leaving only the GCU code files in the directory/folder for reuse.

### You can also do a surname search of gedcoms:

Go back to step #5 and instead of typing in `gcu -compdir "C:\Users\Karin Corbeil\Documents\DNA\GCU\gedcomutility 7-17-2013"`

type in: `gcu -surname . foley "C:\Users\Karin Corbeil\Documents\DNA\GCU\gedcomutility 7-17-2013"`

I used the surname Foley in this example and came up with a number of Foleys in one of the gedcoms: (Don't forget to put the period in after -surname)

```

C:\Users\Karin Corbeil\Documents\DNA\GCU\gedcomutility 7-17-2013>gcu -surname . foley "C:\Users\Karin Corbeil\Documents\DNA\GCU\gedcomutility 7-17-2013"
File .\Karin Only with DNA matches.ged
Found Anne W. Foley Born: EST 1902 in Connecticut
Found Audrey L Foley Born: 15 DEC 1923 in Connecticut Died: 08 FEB 1992 at Connecticut
Found Barbara June Foley Born: 25 FEB 1929 in Hartford County, Connecticut, USA Died: 31 JUL 1961 at Southington, Hartford Co., Connecticut, USA
Found Carol Lee Foley Born: 22 JUL 1945 in Born Carol Lee Foley; adopted at birth by Edward and Helen Baum/Brooklyn, Kings County NY
Found Edmund R Foley Born: 08 AUG 1860 in Wolcott, Connecticut Died: 17 JUL 1899
Found Henry Patrick Foley Born: 23 JAN 1853 in Quinnipiac Cemetery, Southington, Hartford County, Connecticut/ Died: 13 APR 1898 at Quinnipiac Cemetery, Southington, Hartford County, Connecticut/Connecticut
Found James Foley Born: EST 1822 in Ireland Died: 30 MAY 1882 at Quinnipiac Cemetery, Southington, Hartford County, Connecticut/Southington, Hartford County, Connecticut, USA
Found James Foley Born: 1798 Died: 20 AUG 1859 at New Britain, Connecticut
Found James Foley Born: EST 1854
Found John Foley Born: EST 1866 Died: 22 AUG 1930
Found Lilla Letitia Foley Born: JUN 1868 Died: 1945
Found Margaret Foley Born: 28 JUL 1851 Died: 02 MAR 1899 at Quinnipiac Cemetery, Southington, Hartford County, Connecticut/Southington, Connecticut
Found Sarah E. Foley Born: 25 SEP 1864 Died: 03 SEP 1923 at Southington, Connecticut
Found Stanton Avery Foley Born: 04 OCT 1898 in Connecticut Died: 18 OCT 1970 at Southington, Hartford, Connecticut, USA
Found William Foley Born: 19 JUL 1885 in Southington, Hartford, Connecticut Died: 20 JUL 1885 at Southington, Hartford, Connecticut
Found William Thomas Foley Born: 28 MAR 1856 in Cheshire, New Haven, Connecticut, USA Died: 08 JUL 1928

```

This will not generate a file, so to save this information to you need to copy it from the DOS command window and paste it somewhere else.

Right click anywhere on the DOS command box, choose "Edit", then "Select All". The page will turn white with black type. Right click again, select "Edit", then "Copy". Then paste into a spreadsheet.

Diane's **Methodology.doc** will show you how to work with these. You can find it in at <http://dnaadoption.com/Methodology/Methodology.aspx>