Group Programming Project Tests

Dual Heap Replacement Selection Sort

By: Jared Rickert, George Velikson, Kelden Mayer, Chris Vadner, and Sanju Neupane

**TEST 1**

The first set of data used was listed in the file test/fixtures/Integers.csv.

This data was used to see if the program was able to use a default single key to sort purely integers. The file was of average size and contained 500 different lines of data to be separated.

**TEST 2**

The second set of data used was alike the first. The file used was test/fixtures/Strings.csv.

This time, the test focused on using a large set of strings. This was used to see how the program reacted to using strings as the keys to be sorted. There were exactly 250 lines of test data used.

**TEST 3**

The next test was the file test/fixtures/LargeData.csv.

There was a lot of data used along with different types of keys. This data was used to test how to program reacted with multiple keys and with a very large amount of data.

**TEST 4**

The fourth test consisted of the file test/fixtures/More\_Information.csv.

The data in this test focused on practicing both key types and testing the sorting algorithm’s versatility.

**TEST 5**

The final test was in the file test/fixtures/data1.csv.

The data in this particular test is not directly testing anything in particular. This test is simply to see if a random file of unsorted data would react as it should.

**TEST 1 – Integers.csv**

Results from the logging file:

Unsorted (First 20 lines out of 500)

Integers:Integer

546

677

90

351

514

366

756

649

576

657

679

861

87

332

4

690

226

652

713

Sorted (First 20 lines out of 500)

**TEST 2 – Strings.csv**

Results from the logging file:

Unsorted (First 20 lines out of 250)

Strings

perferendis,id,voluptatem

molestiae,quia,qui

quibusdam,fugit,et

praesentium,ut,voluptas

veniam,minima,et

quia,vel,animi

qui,praesentium,voluptates

voluptatem,dolor,blanditiis

nobis,deleniti,quia

qui,quo,vitae

non,voluptatibus,quis

accusantium,temporibus,est

ut,voluptas,molestiae

ab,non,dolor

molestiae,neque,a

ipsam,porro,eos

quae,asperiores,accusantium

dignissimos,ut,qui

placeat,aut,et

Sorted (First 20 lines out of 250)

**TEST 3 – LargeData.csv**

Results from the logging file:

Unsorted(20 lines out of 10,000)

Full Name:string,Country:string,Created At:string,Id:Integer,Email:string

Napoleon Hammes,Saint Barthélemy,Tue Jun 09 2015 04:19:10 GMT-0500 (Central Daylight Time),0,Gilbert@araceli.biz

Catherine Hagenes,East Germany,Sat Jan 10 1998 14:50:24 GMT-0600 (Central Standard Time),1,Dedric.Ratke@jennings.biz

Catherine Parker,Israel,Fri Feb 12 1999 16:21:02 GMT-0600 (Central Standard Time),2,Belle@allene.info

Bernadette Schinner,Saint Martin,Sat Jan 31 1981 22:32:06 GMT-0600 (Central Standard Time),3,Julianne.Schaefer@dayana.biz

Xzavier Moore,Cocos [Keeling] Islands,Sat Nov 13 2004 16:21:24 GMT-0600 (Central Standard Time),4,Royal@june.com

Carroll Heller,Greenland,Sun May 23 1982 06:03:46 GMT-0500 (Central Daylight Time),5,Percival@robert.us

Jesus Fahey,Heard Island and McDonald Islands,Mon May 06 2002 15:47:59 GMT-0500 (Central Daylight Time),6,Emile\_Harvey@jackie.net

Nova Fisher,Dominican Republic,Fri Oct 28 2005 08:13:52 GMT-0500 (Central Daylight Time),7,Lina\_Wolf@leola.us

Giovanny Parker,Trinidad and Tobago,Tue Sep 26 1995 18:47:46 GMT-0500 (Central Daylight Time),8,Marilyne.Lubowitz@rubie.ca

Myrtie Greenfelder,Lithuania,Fri Nov 22 1991 00:29:04 GMT-0600 (Central Standard Time),9,Kitty@vincenzo.us

Mrs. Archibald Mosciski,Nigeria,Mon Feb 04 1985 08:13:27 GMT-0600 (Central Standard Time),10,Jarvis@orie.me

Ms. Rubie Hauck,Lebanon,Sun Jun 12 2005 20:48:35 GMT-0500 (Central Daylight Time),11,Chanel.Langosh@ethelyn.ca

Daron Hagenes,New Caledonia,Sun Jan 31 2016 21:08:31 GMT-0600 (Central Standard Time),12,Cara\_Morar@birdie.name

Josiane Miller,Guam,Wed Mar 10 2010 08:14:25 GMT-0600 (Central Standard Time),13,Yasmeen@augusta.us

Green Stiedemann,Russia,Fri Jan 22 1993 17:23:43 GMT-0600 (Central Standard Time),14,Lauren.Corkery@gennaro.us

Jermain Sawayn,Haiti,Thu Feb 26 2015 18:05:36 GMT-0600 (Central Standard Time),15,Russell@juston.name

Enrique Schoen,Malawi,Mon Aug 07 2000 12:58:01 GMT-0500 (Central Daylight Time),16,Trystan@kyla.me

Cole Greenholt,South Korea,Sun Aug 12 1990 19:01:22 GMT-0500 (Central Daylight Time),17,Khalil\_Dietrich@stevie.tv

Miss Devonte Bernier,Liechtenstein,Tue Dec 18 1984 18:57:42 GMT-0600 (Central Standard Time),18,Brooks.Considine@chauncey.ca

Sorted (20 lines out of 10,000):

**TEST 4 – More\_Information.csv**

Results from the logging file:

Unsorted (20 lines out of 100):

Username,Full Name,Country,Phone Number,Created At,State,Street,Words,Id,Email

Virginia\_Franecki,Astrid Harªann,Nigeria,(613)748-7152 x113,Sun Apr 29 2007 20:34:11 GMT-0500 (Central Daylight Time),Louisiana,943 Dare Mountains,tempore,qui,ut,0,Leonardo.Gleason@bailey.co.uk

Carley.Kuphal,Maud Hackett,Haiti,1-014-538-7004 x6905,Mon Jun 22 1998 06:09:55 GMT-0500 (Central Daylight Time),Tennessee,63298 Myles Rue,exercitationem,quisquam,magni,1,Eladio@selina.net

Floyd,Juanita Grimes Jr.,Palestinian Territories,(368)887-3820,Sun Sep 30 2001 03:14:57 GMT-0500 (Central Daylight Time),Maryland,93614 Justice Crossing,est,quisquam,rem,2,Aubree.Hessel@chase.org

Agnes\_Schamberger,Brendon Maggio,Anguilla,(576)191-3987 x36117,Mon May 26 2003 04:32:01 GMT-0500 (Central Daylight Time),Louisiana,2531 Hills Shores,dolorem,dolores,perspiciatis,3,Devante@floyd.me

Rickie,Dayna Sporer,Thailand,1-565-627-9491 x15429,Thu Mar 20 2003 16:32:24 GMT-0500 (Central Daylight Time),Michigan,01239 Allison Keys,eos,tenetur,omnis,4,Johnny.Cronin@marlen.us

Sonya.Wintheiser,Destini Cruickshank,Burkina Faso,1-077-954-2062,Fri May 07 1982 23:58:00 GMT-0500 (Central Daylight Time),Wisconsin,5793 Kreiger Squares,excepturi,vel,eveniet,5,Amparo@justice.biz

Jasen,Richard Gutkowski,Somalia,1-441-421-3586 x5909,Thu May 10 1984 21:47:31 GMT-0500 (Central Daylight Time),Georgia,74400 Alene Pass,accusamus,tenetur,praesentium,6,Sonny.Tremblay@sheridan.io

Lorenza\_Ferry,Electa Heidenreich,Bhutan,322.544.7501 x54785,Tue Apr 11 2017 16:23:08 GMT-0500 (Central Daylight Time),Minnesota,494 Runolfsdottir Radial,modi,voluptatem,voluptate,7,Christy@mathilde.biz

Horace\_Kuphal,Flavio Collins,Jersey,780-281-3041,Fri Apr 28 2017 08:25:05 GMT-0500 (Central Daylight Time),Georgia,36914 Kirlin Greens,eius,itaque,cupiditate,8,Clementina\_Kovacek@crystal.net

Nicole.Strosin,Orin Kreiger,Spain,688-424-1593,Sun Dec 13 1981 21:16:35 GMT-0600 (Central Standard Time),North Carolina,17276 McDermott Turnpike,atque,error,id,9,Ike@prudence.info

Amya,Miss Conner Rosenbaum,Norfolk Island,(950)785-5520 x419,Fri Jan 13 1989 16:38:50 GMT-0600 (Central Standard Time),Ohio,663 Bernhard Camp,eum,aut,et,10,Lonny.Kessler@eddie.info

Alexzander,Eliezer Gibson DDS,Moldova,1-397-386-7731,Fri Mar 17 1995 13:36:07 GMT-0500 (Central Daylight Time),Ohio,075 Hills Flat,maiores,unde,mollitia,11,Lela@kelley.org

Kiarra\_Harris,Princess Ullrich,Anguilla,1-478-335-5671 x431,Thu May 07 2015 00:38:46 GMT-0500 (Central Daylight Time),Oregon,49934 Dickinson Harbor,illum,voluptas,voluptatibus,12,Melba@jayson.ca

Dawn,Golda West V,Puerto Rico,039-913-9741 x598,Sun Aug 18 1991 23:50:45 GMT-0500 (Central Daylight Time),South Dakota,683 Heathcote Walk,nihil,libero,voluptatem,13,Ollie.Greenholt@norval.biz

Etha,Concepcion Schmitt DDS,Paraguay,041-435-1041,Mon Oct 27 1986 01:45:24 GMT-0500 (Central Daylight Time),Oregon,09492 Douglas Expressway,nostrum,similique,inventore,14,Rebeca@jaron.name

Josefina\_Pfannerstill,Ford Leffler,North Vietnam,486.097.7847 x35020,Sun Jan 26 2014 03:16:23 GMT-0600 (Central Standard Time),South Dakota,2621 Murphy Passage,et,qui,cumque,15,Nathanial\_Tremblay@chanelle.biz

Akeem.Daugherty,Jordan Kassulke,Solomon Islands,(348)084-4930,Fri Nov 06 2015 18:16:02 GMT-0600 (Central Standard Time),Rhode Island,568 Runolfsdottir Cliffs,veritatis,animi,dicta,16,Selmer.Morissette@jacinthe.org

Conner,Hildegard Watsica,Åland Islands,(645)902-4815 x364,Thu Jun 26 2003 21:23:55 GMT-0500 (Central Daylight Time),West Virginia,15489 Lebsack Rapid,cumque,rerum,dolorem,17,Kayli@addie.info

Lois.Ledner,Gertrude O'Kon,Ukraine,699-803-8716 x142,Tue Jun 01 1982 20:03:45 GMT-0500 (Central Daylight Time),New Mexico,4738 Lavada Locks,repellendus,libero,ea,18,Heaven.Mertz@rebecca.biz

Ssorted (20 out of 100 lines):

**TEST 5 – data1.csv**

Results from the logging file:

Unsorted (100 lines out of 100):

Full Name:string,Country:string,Created At:string,Id:int,Email:string

Rosalyn Prosacco,Pitcairn Islands,Wed Aug 02 1989 10:31:34 GMT-0500 (CDT),0,Elmira.Lowe@gust.me

Luz Schaefer,Laos,Sun Sep 12 2004 10:52:15 GMT-0500 (CDT),1,Christina@rolando.biz

Dr. Reyna Turner,Malaysia,Thu Apr 04 1996 07:17:44 GMT-0600 (CST),2,Nikko@alberto.tv

Sophie DuBuque,Guernsey,Fri Apr 28 2017 22:19:51 GMT-0500 (CDT),3,Adam@gabriella.io

Dario Cole,Fiji,Fri Aug 20 1993 17:25:17 GMT-0500 (CDT),4,Christine\_Mueller@destany.net

Yoshiko Crist,Saint Helena,Thu Oct 20 1983 17:04:39 GMT-0500 (CDT),5,Susana@cortez.org

Miss Jasmin Steuber,Antarctica,Tue Aug 23 2016 22:24:28 GMT-0500 (CDT),6,Rollin@evangeline.name

Brant Lemke,Malawi,Tue Mar 25 2003 18:02:52 GMT-0600 (CST),7,Lillie.Bartell@madalyn.me

Iva Nikolaus,Rwanda,Fri Apr 28 1995 20:29:20 GMT-0500 (CDT),8,Heather@ted.us

Milo Powlowski IV,Egypt,Thu Apr 14 1994 22:14:24 GMT-0500 (CDT),9,Johnathan.Upton@anne.io

Miss Jacynthe Abernathy,Mayotte,Thu Dec 06 1990 01:54:32 GMT-0600 (CST),10,Dorothea.Connelly@maye.org

Randall Dooley V,Syria,Tue Mar 21 2000 02:05:33 GMT-0600 (CST),11,Okey\_Fay@ernestine.me

Mrs. Kiana Schuppe,Fiji,Sat Jan 26 1991 07:02:41 GMT-0600 (CST),12,Pinkie@mekhi.co.uk

Karson Stroman,Dronning Maud Land,Tue Jul 16 1996 09:14:23 GMT-0500 (CDT),13,Damion.DAmore@kylee.me

Miss Sophie Wolff,Mexico,Wed Feb 19 1997 12:01:29 GMT-0600 (CST),14,Jadyn.Bergstrom@anibal.name

Rosalyn Torphy,Luxembourg,Mon May 18 1981 05:32:50 GMT-0500 (CDT),15,Christina.Carroll@buster.tv

Percy Littel,Bouvet Island,Thu Feb 16 2006 01:32:05 GMT-0600 (CST),16,Mortimer@rupert.io

Angelica Renner,Lithuania,Thu Jun 04 2015 07:11:48 GMT-0500 (CDT),17,Abbie.Wolff@drew.biz

Gerald Huel,North Vietnam,Sun Mar 31 1985 12:50:37 GMT-0600 (CST),18,Betty@brooks.tv

Maybell Carroll,Myanmar [Burma],Mon Dec 30 2013 13:30:19 GMT-0600 (CST),19,Millie@jevon.us

Avery Daniel,Burkina Faso,Mon Aug 30 1999 22:35:32 GMT-0500 (CDT),20,Lorine@katlynn.io

Raphael Stark,Guyana,Wed Jul 06 1988 20:51:59 GMT-0500 (CDT),21,Erwin@jensen.io

Mrs. Jalyn Kulas,Turks and Caicos Islands,Fri Jul 17 2015 07:56:04 GMT-0500 (CDT),22,Ruth\_OKon@lenny.name

Maureen Sauer,Belarus,Thu Jul 26 2012 05:05:49 GMT-0500 (CDT),23,Alberto\_Mante@jerel.com

Claire Lockman,Palestinian Territories,Fri Jun 11 1999 13:28:17 GMT-0500 (CDT),24,Christ\_DAmore@olin.biz

Mr. Napoleon Hand,Guam,Wed Jul 26 2006 22:00:17 GMT-0500 (CDT),25,Sofia@anibal.biz

Mrs. Tito Schamberger,Singapore,Fri Nov 27 1987 08:06:19 GMT-0600 (CST),26,Ewald@ashley.io

Dariana Franecki,Nigeria,Tue Dec 24 1991 03:40:41 GMT-0600 (CST),27,Janice@issac.name

Elbert Sauer DVM,China,Fri Feb 03 1995 18:44:03 GMT-0600 (CST),28,Evert@judson.biz

Claudine Howe,Anguilla,Tue Sep 12 2017 06:51:52 GMT-0500 (CDT),29,Danielle@bettie.info

Jackie Cruickshank,Tokelau,Tue May 26 2015 21:56:27 GMT-0500 (CDT),30,Isabel.Hansen@randall.io

Kariane Satterfield II,Nepal,Sun Jun 02 2002 01:19:40 GMT-0500 (CDT),31,Ethan@junior.net

Bailey Doyle,Belize,Sat Oct 19 1996 09:16:04 GMT-0500 (CDT),32,Veronica\_Moore@justice.io

Karli Bartell,Yemen,Fri Dec 18 2015 17:16:54 GMT-0600 (CST),33,Marty.Cassin@hassie.tv

Therese Leffler,Pakistan,Fri Mar 19 2004 05:16:43 GMT-0600 (CST),34,Mona\_Weber@cornelius.tv

Oswald Hilll,Madagascar,Thu Dec 17 1992 11:10:52 GMT-0600 (CST),35,Jovanny\_Renner@furman.name

Nedra Heathcote,Senegal,Sun Sep 11 1988 12:20:56 GMT-0500 (CDT),36,Addison@isaiah.biz

Christa Langworth,Slovenia,Thu Dec 29 2011 18:27:16 GMT-0600 (CST),37,Ashly\_Steuber@wilber.biz

Chyna Berge,Panama,Fri Aug 26 2016 09:12:58 GMT-0500 (CDT),38,Roslyn\_Kuphal@mossie.ca

Isabella Stanton Jr.,Guyana,Fri Oct 07 2016 06:27:13 GMT-0500 (CDT),39,Granville.Boyer@alvera.info

Monique Ratke,Solomon Islands,Sat Jun 09 1990 18:50:12 GMT-0500 (CDT),40,Valerie@tremaine.tv

Donnie Feeney,Jersey,Fri Apr 10 1987 17:19:42 GMT-0500 (CDT),41,Sadie@giovanni.name

Missouri Hudson,South Korea,Fri Nov 07 1980 11:23:59 GMT-0600 (CST),42,Vincenza\_Spencer@leola.io

Libbie Ryan,Lesotho,Thu Dec 06 1990 21:34:21 GMT-0600 (CST),43,Abbigail\_Williamson@aryanna.name

Maxime Rohan,North Korea,Sun Mar 08 1987 12:30:54 GMT-0600 (CST),44,Gregoria@declan.ca

Ms. Josiane Conroy,Lebanon,Tue Aug 16 1988 15:46:11 GMT-0500 (CDT),45,Mylene\_Ondricka@alicia.co.uk

Mr. Mina Senger,Jamaica,Wed Sep 27 2006 18:21:12 GMT-0500 (CDT),46,Jean.Hoppe@moriah.info

Jovany Smith,Algeria,Sun Nov 24 1985 06:33:50 GMT-0600 (CST),47,Dariana.Turcotte@olin.biz

Jamar Schmeler,Bouvet Island,Tue Sep 16 2014 07:05:07 GMT-0500 (CDT),48,Zachariah@scottie.co.uk

Hailie Reilly,Guinea-Bissau,Mon Jun 23 1997 10:27:13 GMT-0500 (CDT),49,Georgiana@kaleigh.biz

Ms. Alvina Rippin,Papua New Guinea,Wed Nov 17 1993 09:05:10 GMT-0600 (CST),50,Meta@joanne.ca

Mr. Maya O'Hara,Nauru,Sat Jun 19 1999 19:23:00 GMT-0500 (CDT),51,Bethany\_Sporer@ryan.org

Bryon Kovacek,Swaziland,Sun Jul 02 2006 10:59:03 GMT-0500 (CDT),52,Friedrich@alanis.net

Pearline Russel,Hungary,Wed Oct 04 2017 04:08:42 GMT-0500 (CDT),53,Nona@amani.biz

Miss Genoveva Cormier,Lebanon,Wed Aug 11 2004 17:39:36 GMT-0500 (CDT),54,Jamison\_Strosin@devan.com

Deshawn Walter,Saint Pierre and Miquelon,Tue Dec 31 2002 12:14:59 GMT-0600 (CST),55,Melvin.Upton@tyra.com

Mertie Legros Jr.,Spain,Thu Jul 07 2005 00:49:57 GMT-0500 (CDT),56,Queenie@joelle.com

Eldred Guªann IV,Saint Pierre and Miquelon,Thu Aug 25 2011 06:34:14 GMT-0500 (CDT),57,Josiane@nyasia.biz

Dr. Vincenzo Collier,Ghana,Tue May 30 2017 17:50:42 GMT-0500 (CDT),58,Laney\_Corkery@arch.info

Addie Labadie,Aruba,Wed Oct 09 1991 10:54:17 GMT-0500 (CDT),59,Richie.Schoen@ewald.biz

Armand Hegmann DDS,Angola,Fri Nov 19 2004 08:55:31 GMT-0600 (CST),60,Georgette.Erdman@myrtice.net

Elody O'Keefe,Cambodia,Thu Dec 20 2012 20:36:57 GMT-0600 (CST),61,Yasmine@yvette.me

Christine Lynch,Bahamas,Mon Jun 22 1998 11:21:51 GMT-0500 (CDT),62,Constance.Kertzmann@blake.ca

Nathen Reinger,Somalia,Mon Jul 25 1983 23:53:46 GMT-0500 (CDT),63,Ella@evert.us

Rigoberto Boyle,Mozambique,Mon May 05 1980 06:34:46 GMT-0500 (CDT),64,Lyric.Ankunding@vallie.tv

Isobel Schmidt,Brazil,Fri May 17 1985 09:48:20 GMT-0500 (CDT),65,Aaliyah@name.com

Ebba Skiles,Kenya,Fri Jun 30 2006 22:49:16 GMT-0500 (CDT),66,Marta@winnifred.tv

Duane O'Reilly,Poland,Thu Jun 17 2004 10:23:22 GMT-0500 (CDT),67,Ethyl@shirley.me

Mr. Dee Schneider,Vanuatu,Sun Jun 29 2003 05:12:27 GMT-0500 (CDT),68,Jordyn@kennedi.biz

Candelario Ledner,Poland,Tue Oct 15 1985 09:25:38 GMT-0500 (CDT),69,Kevin\_Bosco@silas.name

Mr. Cade Greenholt,Réunion,Tue Aug 04 1998 01:30:53 GMT-0500 (CDT),70,Kelvin@hellen.biz

Gabrielle Gerlach,Venezuela,Fri Jan 31 1986 07:37:09 GMT-0600 (CST),71,Magdalena\_Emard@blanche.com

Lolita Jacobs,Latvia,Thu Nov 11 1993 15:01:51 GMT-0600 (CST),72,Dudley@samantha.net

Bridget Guªann,Åland Islands,Tue Feb 24 2009 04:02:39 GMT-0600 (CST),73,Kory@kaylah.me

Myrtie Purdy,Macedonia,Sat Mar 23 2002 22:03:08 GMT-0600 (CST),74,Eunice.Grimes@kenna.ca

Daphney Dicki IV,Ghana,Sun Dec 03 2000 13:58:39 GMT-0600 (CST),75,Magnolia@georgianna.com

Harvey Rohan,Saint Barthélemy,Tue Feb 05 2013 08:15:32 GMT-0600 (CST),76,Theron.McCullough@jeff.io

Richard Schmeler,Bosnia and Herzegovina,Sat Jan 20 2001 06:32:39 GMT-0600 (CST),77,Golden@monique.name

Xavier Halvorson DVM,Cameroon,Tue Aug 31 1993 03:10:44 GMT-0500 (CDT),78,Ahmed@edwina.co.uk

Myrtie Marvin,Guinea-Bissau,Thu Jul 26 2001 01:08:33 GMT-0500 (CDT),79,Mable@eino.com

Nicolette Quigley,Niue,Mon Apr 06 2009 02:18:41 GMT-0500 (CDT),80,Brenda@ronaldo.me

Kristina Kris,Switzerland,Sat Feb 18 2012 16:06:21 GMT-0600 (CST),81,Jordan@andreane.co.uk

Miss Leonora Stroman,Aruba,Mon May 09 1988 13:11:21 GMT-0500 (CDT),82,Amina\_Streich@aylin.biz

Keyon Stoltenberg,Swaziland,Thu Dec 07 2006 21:07:38 GMT-0600 (CST),83,Zaria.Crooks@edwardo.us

Mrs. Kayley Ward,Honduras,Sat Oct 21 2000 03:58:22 GMT-0500 (CDT),84,Mable@saige.biz

Orrin Thiel DVM,Antarctica,Tue Jul 14 1987 23:43:05 GMT-0500 (CDT),85,Kattie\_Bernhard@christelle.us

Jaydon Johnson,Benin,Thu May 11 2017 22:08:23 GMT-0500 (CDT),86,Bernadette@pearlie.name

Hadley Marks,Nigeria,Sat Sep 12 2009 13:26:25 GMT-0500 (CDT),87,Rosalinda@eliza.tv

Jenifer Wyman,Burkina Faso,Sun Jun 20 1993 12:30:21 GMT-0500 (CDT),88,Guadalupe@ronny.info

Gilberto Parker,Antarctica,Mon Jul 28 2008 19:27:56 GMT-0500 (CDT),89,Mike.Legros@taya.co.uk

Troy Sawayn,Guinea,Tue Mar 19 1991 18:47:33 GMT-0600 (CST),90,Kariane@garland.ca

Norris Tromp,Denmark,Fri Aug 24 2007 14:27:13 GMT-0500 (CDT),91,Pink\_Hilpert@khalid.net

Garry Stehr,Papua New Guinea,Mon Aug 27 2001 06:00:53 GMT-0500 (CDT),92,Demetrius@carmelo.me

Sabina Stanton,Singapore,Sun Aug 09 1992 11:59:25 GMT-0500 (CDT),93,Sonya.Rogahn@leann.org

Dr. Abigail Feil,Uzbekistan,Sun Feb 23 1986 01:32:23 GMT-0600 (CST),94,Jamey@bryon.biz

Bella Farrell,Bahrain,Sun Jul 06 2008 00:18:14 GMT-0500 (CDT),95,Regan@freddy.tv

Aric Bailey,Botswana,Sat Dec 25 2010 01:38:25 GMT-0600 (CST),96,Briana\_Bailey@judah.us

Lauryn Davis,Christmas Island,Sat Feb 06 1999 09:13:36 GMT-0600 (CST),97,Sydnie@lula.ca

Miss Wendell Schultz,Vietnam,Fri Oct 31 1997 01:35:45 GMT-0600 (CST),98,Alba@hattie.info

Braden Mills,Montserrat,Fri Aug 25 1989 09:15:09 GMT-0500 (CDT),99,Janiya@merritt.us

Sorted (100 lines out of 100):