## BharathKumar@ANIMUS:/mnt/d/Educational/MS-CE/SUMMER 2017/Me/Github repo/BHS\_Project\_SSW\_555/Sprint/Sprint4\$ python BHS\_555.py INDIVIDUAL DATABASE:

ID	Name	Gender	Birthday	Age	Alive	+   Death +	+   Child +	Spouse 
ID	Name  David /Jole/ Jillian /Kelly/ Betty /Jole/ Frank /Gonzalez/ Bob /George/ Anne /Jole/ Daisey /Gonzalez/ John /Gonzalez/ Julia /Roberts/ Frank /Gonzalez/ Frank /Gonzalez/ Madison /Gonzalez/ Laura /Gonzalez/ Laura /Gonzalez/ Pheobe /Gonzalez/ Janice /Gonzalez/ Janice /Gonzalez/ Andrea /Gonzalez/	Gender    M F M F M M F M F M F F F F F F F F F	Birthday  7 FEB 0941 53 APR 1939 16 MAR 2963 2 SEP 1961 14 JUN 0945 19 DEC 0968 10 JUL 2017 14 JUL 2017 14 JUL 2017 4 SEP 1987 14 FEB 1989 27 DEC 1991 2 SEP 1961 11 JUL 2017 11 JUL 2017 11 JUL 2017 15 JUL 2017 16 AUG 2016 17 AUG 2016 18 AUG 2016 19 JUL 2017 19 JUL 2017 20 JUL 2017	Age -63 78 -946 55 1075 1048 0 0 29 28 25 55 0 0 0 0 0 0 0 0 0 0	Alive FALSE TRUE TRUE TRUE FALSE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRU	Death  13 SEP 0878  N/A  N/A  N/A  25 DEC 2020  13 JUL 2017  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/		Spouse   ['F1']   ['F1', 'F2']   ['F3']   ['F3']   ['F2']   N/A   N/A   N/A   N/A   N/A   ['F4']   ['F4']   ['F4']   ['F3']   N/A   N/A   N/A   N/A   N/A
I21	Amy /Gonzalez/	F	21 JUL 2017	0	TRUE	N/A	F3	N/A
I22   I23	Emma /Gonzalez/   Emily /Gonzalez/	F	22 JUL 2017 23 JUL 2017	0	TRUE TRUE	N/A N/A	F3 F3	N/A   N/A
124	Martha /Gonzalez/	F	24 JUL 2017	0	TRUE	N/A	F3	N/A
125	Ross /Gonzalez/	F i	25 JUL 2017	0	TRUE	N/A	F3	['F2']
126		F i	26 JUL 2017	0	TRUE	N/A	F3	['F2']
I27		F	27 JUL 2017	0	TRUE	N/A	F3	N/A

## FAMILY DATABASE:

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ID	Married	Divorced	Husband ID	Husband Name	Wife ID	Wife Name	Children									
	1   9 NOV 1957			David /Jole/		Jillian /Kelly/										
F0	2   20 JUN 1986 3   3 MAR 1991			, , ,		Jillian /Kelly/   Betty /Jole/	[ 110 , 111 ]   ['107', '108', '109', '1	 I14', 'I14',	'I15', 'I1	6', 'I17',	'I18', '	I19', 'I20'	, 'I21',	'I22',	'I23', '	I24', 'I
FØ	6', 'I27']   4   27 AUG 2009			Jesse /Roberts/	I12	Olivia /Weaver/	N/A	1								
F0	5   29 JUL 2017	20 MAR 2020	I25	Ross /Gonzalez/	I26	Anika /Gonzalez/	N/A									

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ANOMALY: FAMILY: US08: F01: Child I03 born 16 MAR 2963 after divorce on 9 NOV 1947
ANOMALY: FAMILY: US08: F01: Child I06 born 19 DEC 0968 before marriage on 9 NOV 1957
ANOMALY: FAMILY: US09: F01: Child I03 born 16 MAR 2963 after father's death (after 9 months) on 13 SEP 0878
ANOMALY: FAMILY: US09: F01: Child I06 born 19 DEC 0968 after father's death (after 9 months) on 13 SEP 0878
ERROR: INDIVIDUAL: US01: I03: The date of birth, 16 MAR 2963, occurs in the future
ERROR: INDIVIDUAL: US01: I05: The date of death, 25 DEC 2020, occurs in the future
ERROR: FAMILY: US01: F02 The date of divorce, 20 MAR 2020, occurs in the future
ERROR: FAMILY: US01: F05 The date of divorce, 20 MAR 2020, occurs in the future
ERROR: INDIVIDUAL: US07: I05: Individual is older than 150 years old
ERROR: INDIVIDUAL: US07: I06: Individual is older than 150 years old
ERROR: FAMILY: US23: F02: The Child I11 ( Jesse /Roberts/ ) is not having the family name "George"
ERROR: INDIVIDUAL: US16: I13: The Individual I13 is sharing the Same Name "Frank /Gonzalez/" and Date of Birth "2 SEP 1961" with another individual
ERROR: FAMILY: US06: F01: Husband David /Jole/ (I01) Died before Divorce on 9 NOV 1947
ANOMALY: FAMILY: US12: F01: Mother Jillian /Kelly/ (I02) is more than 60 years older than the child I03
ANOMALY: FAMILY: US12: F01: Father David /Jole/ (I01) is more than 80 years older than the child I03
ANOMALY: FAMILY: US12: F02: Father Bob /George/ (I05) is more than 80 years older than the child I10
ANOMALY: FAMILY: US12: F02: Father Bob /George/ (I05) is more than 80 years older than the child I11
ERROR: INDIVIDUAL: US02: I03: The date of birth, 16 MAR 2963 occurs before marriage, 3 MAR 1991
ERROR: INDIVIDUAL: US03: I01: The date of birth, 7 FEB 0941, occurs after death 13 SEP 0878
ERROR: INDIVIDUAL: US42: I02: Birth Date 53 APR 1939 is invalid.
RESULT: INDIVIDUAL: US29: List of Individuals Deceased: => ID: I10 Name: Julia /Roberts/
                                                        => ID: I01 Name: David /Jole/
                                                       => ID: I06 Name: Anne /Jole/
                                                       => ID: I05 Name: Bob /George/
RESULT: INDIVIDUAL: US35: List of Recently Born Individuals: => ID: I20 Name: Andrea /Gonzalez/
                                                            => ID: I21 Name: Amy /Gonzalez/
                                                            => ID: I22 Name: Emma /Gonzalez/
                                                            => ID: I23 Name: Emily /Gonzalez/
                                                            => ID: I24 Name: Martha /Gonzalez/
                                                            => ID: I25 Name: Ross /Gonzalez/
                                                            => ID: I26 Name: Anika /Gonzalez/
                                                            => ID: I27 Name: Ashley /Gonzalez/
                                                            => ID: I19 Name: Janice /Gonzalez/
                                                            => ID: I15 Name: Laura /Gonzalez/
                                                            => ID: I14 Name: Madison /Gonzalez/
                                                            => ID: I03 Name: Betty /Jole/
                                                            => ID: I07 Name: Daisey /Gonzalez/
                                                            => ID: I09 Name: John /Gonzalez/
RESULT: INDIVIDUAL: US36: List of Recently Dead Individuals: => ID: I06 Name: Anne /Jole/
                                                            => ID: I05 Name: Bob /George/
ERROR: FAMILY: US04: F01: The date of marriage, 9 NOV 1957 occurs after the date of divorce, 9 NOV 1947
ERROR: INDIVIDUAL: US05: I05: The date of marriage, 20 JUN 1986 occurs after death, 25 DEC 2020
ERROR: INDIVIDUAL: US22: I14: Have a Duplicate ID
ERROR: INDIVIDUAL: US22: I19: Have a Duplicate ID
ERROR: FAMILY: US15: F03: All Child in the Family F03 is having more than 15 siblings.
RESULT: INDIVIDUAL: US38: List of Individuals with upcoming Birthdays: => ID: I18 Name: Racheal /Gonzalez/
                                                                       => ID: I17 Name: Pheobe /Gonzalez/
                                                                       => ID: I16 Name: Sarah /Gonzalez/
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ERROR: INDIVIDUAL: US10: I26: The date of marriage, 29 JUL 2017 does not occur at least 14 years after birth date 26 JUL 2017
ANOMALY: FAMILY: US21: F05: The gender of Husband, in family F05, is incorrect for their role
Error: Family: US18: Family F05 has a husband and wife who are siblings.
RESULT: INDIVIDUAL: US27: List of Individuals with their Ages: Name: David /Jole/
                                                                                          Age: -63
                                                               Name: Jillian /Kelly/
                                                                                          Age: 78
                                                               Name: Betty /Jole/
                                                                                          Age: -946
                                                               Name: Frank /Gonzalez/
                                                                                          Age: 55
                                                               Name: Bob /George/
                                                                                          Age: 1075
                                                               Name: Anne /Jole/
                                                                                          Age: 1048
                                                               Name: Daisey /Gonzalez/
                                                                                          Age: 0
                                                               Name: Dave /Gonzalez/
                                                                                          Age: 0
                                                               Name: John /Gonzalez/
                                                                                          Age: 0
                                                               Name: Julia /Roberts/
                                                                                          Age: 29
                                                               Name: Jesse /Roberts/
                                                                                          Age: 28
                                                               Name: Olivia /Weaver/
                                                                                          Age: 25
                                                               Name: Frank /Gonzalez/
                                                                                          Age: 55
                                                               Name: Madison /Gonzalez/
                                                                                          Age: 0
                                                               Name: Madison /Gonzalez/
                                                                                          Age: 0
                                                               Name: Laura /Gonzalez/
                                                                                          Age: 0
                                                               Name: Sarah /Gonzalez/
                                                                                          Age: 0
                                                               Name: Pheobe /Gonzalez/
                                                                                          Age: 0
                                                               Name: Racheal /Gonzalez/
                                                                                          Age: 0
                                                               Name: Janice /Gonzalez/
                                                                                          Age: 0
                                                               Name: Janice /Gonzalez/
                                                                                          Age: 0
                                                               Name: Andrea /Gonzalez/
                                                                                          Age: 0
                                                               Name: Amy /Gonzalez/
                                                                                          Age: 0
                                                               Name: Emma /Gonzalez/
                                                                                          Age: 0
                                                               Name: Emily /Gonzalez/
                                                                                          Age: 0
                                                               Name: Martha /Gonzalez/
                                                                                          Age: 0
                                                               Name: Ross /Gonzalez/
                                                                                          Age: 0
                                                               Name: Anika /Gonzalez/
                                                                                          Age: 0
                                                               Name: Ashley /Gonzalez/
                                                                                          Age: 0
BharathKumar@ANIMUS:/mnt/d/Educational/MS-CE/SUMMER 2017/Me/Github repo/BHS Project SSW 555/Sprint/Sprint4$
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RESULT: INDIVIDUAL: US39: List of Individuals with upcoming Anniversary: => ID: F04 Husband Name: Jesse /Roberts/ Wife Name: Olivia /Weaver/

ERROR: INDIVIDUAL: US10: I03: The date of marriage, 3 MAR 1991 does not occur at least 14 years after birth date 16 MAR 2963