

List of txts:

deneme.txt

Granparents :

Ali 70|Jack 40 Jessica|John 35 Venessa

Fatma 70

Family Tree :

Serkan 50 Ali Fatma

Kemal 45 Ali Fatma

Ahmet 43 Ali Fatma

Emir 25 Serkan Hayriye

Emre 22 Serkan Hayriye

Pelin 20 Serkan Hayriye

Ece 18 Kemal Merve

Erkan 15 Ahmet Nursel

Muhammed 3 Emir Nuriye

emir@ubuntu22:~/Desktop/210104004071\$ make

Cleaning...

Compiling...

Running the tests....

\*\*\*\*\*

1-Add Family Tree

2-Remove Family Tree

3-Load Family Tree

4-Exit

>1

1-Add node

2-Save Family Tree

3-Exit

>1

Enter the name of the person: Kemalettin

Enter the age of the person:43

1-Add node

2-Save Family Tree

3-Exit

>1

Enter the name of the person: Selin

Enter the age of the person:41

1-Add node

2-Save Family Tree

3-Exit

>1

Enter the name of the person: Hande

Enter the age of the person:23

Enter the name of the mother: Selin

Enter the name of the Father: Kemalettin

1-Add node

2-Save Family Tree

3-Exit

>1

Enter the name of the person: Hamza

Enter the age of the person:21

Enter the name of the mother: Selin

Enter the name of the Father: Kemalettin

1-Add node

2-Save Family Tree

3-Exit

>2

Enter the name of the familyy tree: deneme.txt

The name of the file already taken!

1-Add node

2-Save Family Tree

3-Exit

>

family.txt

```
1 List of txts:
```

```
2 family1.txt
```

```
3 deneme.txt
```

```
4
```

- 1 Granparents :
- 2 Kemalettin 43
- 3 Selin 41
- 4 Family Tree :
- 5 Hande 23 Kemalettin Selin
- 6 Hamza 21 Kemalettin Selin
- 7

The name of the file already taken!

1-Add node

2-Save Family Tree

3-Exit

>1

Enter the name of the person: Ahmet

Enter the age of the person:4

Enter the name of the mother: Hande

Enter the name of the Father: Ali

1-Add node

2-Save Family Tree

3-Exit

>2

Enter the name of the familyy tree: family1.txt

The name of the file already taken!

1-Add node

2-Save Family Tree

3-Exit

>3

\*\*\*\*\*

1-Add Family Tree

2-Remove Family Tree

3-Load Family Tree

4-Exit

>4

=====

Completed tests....

○ emir@ubuntu22:~/Desktop/210104004071\$

≡ Familys.txt

1 List of txts:

2 family1.txt

3 family2.txt

4 deneme.txt

5

family2.txt

1 Granparents :

2 Kemalettin 43

3 Selin 41

4 Family Tree :

5 Hande 23 Kemalettin Selin

6 Ahmet 4 Ali Hande

7 Hamza 21 Kemalettin Selin

8



> .vscode

📄 CSE102-Homework11 1 (1).pdf

≡ deneme.txt

🖼 Edited-FamilyTree-1-724x1024.png

≡ family1.txt

≡ family2.txt

≡ Familys.txt

C main.c

M makefile

≡ test

C util.c

C util.h

● emir@ubuntu22:~/Desktop/210104004071\$ make

-----  
Cleaning...

-----  
Compiling...

-----  
Running the tests....  
=====

\*\*\*\*\*

1-Add Family Tree  
2-Remove Family Tree  
3-Load Family Tree  
4-Exit

>2

Enter the name of the txt file of the family tree: silme.txt

File could not be deleted

\*\*\*\*\*

1-Add Family Tree  
2-Remove Family Tree  
3-Load Family Tree  
4-Exit

>2

Enter the name of the txt file of the family tree: family2.txt

family2.txt has been removed succesfully

\*\*\*\*\*

1-Add Family Tree  
2-Remove Family Tree  
3-Load Family Tree  
4-Exit

>4

=====

Completed tests....

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family2.txt



deneme.txt

```
1  Granparents :
2  Ali 70|Jack 40 Jessica|John 35 Venessa
3  Fatma 70
4  Family Tree :
5  Serkan 50 Ali Fatma
6  Kemal 45 Ali Fatma
7  Ahmet 43 Ali Fatma
8  Emir 25 Serkan Hayriye
9  Emre 22 Serkan Hayriye
10 Pelin 20 Serkan Hayriye
11 Ece 18 Kemal Merve
12 Erkan 15 Ahmet Nursel
13 Muhammed 3 Emir Nuriye
14
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

emir@ubuntu22:~/Desktop/210104004071\$ make

-----  
Cleaning...-----  
Compiling...-----  
Running the tests....

=====

1-Add Family Tree

2-Remove Family Tree

3-Load Family Tree

4-Exit

&gt;3

List of txts:

1-family1.txt

2-deneme.txt

&gt;2

deneme.txt has been selected.

1-Add new person

2-Remove a person

3-Print a Person's nuclear family

4-Search Relatives of Given Person

5-Return to the main menu

&gt;

deneme.txt has been selected.

- 1-Add new person
  - 2-Remove a person
  - 3-Print a Person's nuclear family
  - 4-Search Relatives of Given Person
  - 5-Return to the main menu
- >2

Enter the name of the person you want to remove: Emir

Warning: Emir has children, removing Emir will also remove her children

Do you still want to continue (Yes for continue):Yes

Emir and her children have been removed from the family tree

- 1-Add new person
  - 2-Remove a person
  - 3-Print a Person's nuclear family
  - 4-Search Relatives of Given Person
  - 5-Return to the main menu
- >3

Enter the name of the person : Emir

The name you entered not found

- 1-Add new person
  - 2-Remove a person
  - 3-Print a Person's nuclear family
  - 4-Search Relatives of Given Person
  - 5-Return to the main menu
- >3

Enter the name of the person : Serkan

Printing nuclear family of Serkan:

Father: Ali

Mother: Fatma

Siblings : Jack John Kemal Ahmet

Children :Emre Pelin

Family tree of Serkan:

Name: Serkan, Age: 50

    Name of Mother: Hayriye

    Name: Emre, Age: 22

        Name of Mother: Hayriye

    Name: Pelin, Age: 20

- 1-Add new person
  - 2-Remove a person
  - 3-Print a Person's nuclear family
  - 4-Search Relatives of Given Person
  - 5-Return to the main menu
- >2

Enter the name of the person you want to remove: Serkan

Warning: Serkan has children, removing Serkan will also remove her children

Do you still want to continue (Yes for continue):Yes

Serkan and her children have been removed from the family tree

- 1-Add new person

- 2-Remove a person
  - 3-Print a Person's nuclear family
  - 4-Search Relatives of Given Person
  - 5-Return to the main menu
- >3

Enter the name of the person : Serkan

The name you entered not found

- 1-Add new person
  - 2-Remove a person
  - 3-Print a Person's nuclear family
  - 4-Search Relatives of Given Person
  - 5-Return to the main menu
- >4

Enter the name of the person : Kemal

Select type of relatives:

- 1-Parents
- 2-Spouse
- 3-Children
- 4-Grandparents
- 5-Cousins
- 6-Return to sub menu

>1

Printing Parents of Kemal:

Father: Ali

Mother: Fatma

Select type of relatives:

- 1-Parents
- 2-Spouse
- 3-Children
- 4-Grandparents
- 5-Cousins
- 6-Return to sub menu

>2

Printing Spouse of Kemal:

Spouse : Merve

Select type of relatives:

- 1-Parents
- 2-Spouse
- 3-Children
- 4-Grandparents
- 5-Cousins
- 6-Return to sub menu

>3

Printing Children of Kemal:

Ece

Select type of relatives:

- 1-Parents
- 2-Spouse
- 3-Children
- 4-Grandparents
- 5-Cousins
- 6-Return to sub menu

>4

Printing Grandparents of Kemal:

Grandparents by the father : Not found

Grandparents by the Mother : Not found

Select type of relatives:

- 1-Parents
- 2-Spouse
- 3-Children

```
4-Grandparents
5-Cousins
6-Return to sub menu
>5
Printing Cousins of Kemal:
Cousin not found by the Mother
Cousin not found by the Father
Select type of relatives:
1-Parents
2-Spouse
3-Children
4-Grandparents
5-Cousins
6-Return to sub menu
>6
    1-Add new person
    2-Remove a person
    3-Print a Person's nuclear family
    4-Search Relatives of Given Person
    5-Return to the main menu
>5
*****
1-Add Family Tree
2-Remove Family Tree
3-Load Family Tree
4-Exit
>4
=====
Completed tests....
```

○ emir@ubuntu22:~/Desktop/210104004071\$ █



① readme.txt

```
1 Yazdığım kod verilen ödevin biraz daha detaylıdır.
2 Referans olarak internette bulduğum ve ödevin içine koyduğum Family Tree'den faydalandım
3 child pointerı tek bir çocuğa izin verdiği için onun yerine child pointer arrayi kullandım
4 tek çocuk olunca ödev bayağı kolaylaşıyordu son ödevler olduğu için işleri biraz
5 kendi adıma zorlaştırmak istedim
6 üvey çocuklara izin verdim bunu görebilmeniz için deneme.txt ye bir örnek bıraktım
7 Ali 70|Jack 40 Jessica|John 35 Venessa
8 her '|' sonrası bu aile ağacına ait olmayan üvey çocukları temsil etmektedir
9 çocuk sayısı artabileceğinden bu duruma uygun kendi fonksiyonlarımı yazdım
10 (Örnek f_atoi,f_itoa,ft_strcmp,strcpy_tilln vb.)
11 yaklaşık 25 adet fonksiyon ve yorum satırsız 1200 satır kod oldu
12 kodun detaylarını yorum satırlarından bakabilirsiniz
13 Teşekkür ederim.
```