Name: Mean Diamand
Neptun Code: KSG25Z

User Manual Of

Basic of Programming 1

Homework Project

Birthday and Anniversary

First, when you run and compile the program, the command prompt console will pop up and show the display below:

In this display, it will show the main menu where the user can choose the options:

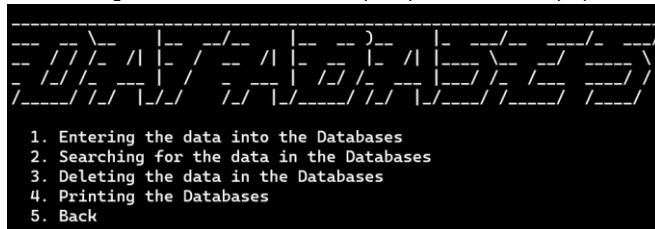1st option for starting the databases.

2nd option for checking the instruction on how to use the program.

3rd option for checking the credit of the program. For example, Information about the owner of the program.

4th option is for checking all the data that contain inside the text file which used for storing the database.

5th option for exiting the database by terminating the program.

After starting the database, the command prompt console will display the database option menu.

Where the user can choose the options:

1st option for entering the data into the database.

2nd option for searching the data inside the database.

3rd option for deleting the data inside the database.

4th option for printing the data contained inside the database which is the linked list itself.

5th option for going back to the main menu.

In the database menu, when the user chooses to enter the data into the database the program will ask the user to:

-Choose the category of the user by inputting the integer value.

```
Input the data into the Databases:
Type of day:
1. Birthday
2. Anniversary
3. Nameday
4. Marriage
```

-Choose the type of day by also inputting the integer value.

```
Category of the users:
1. Friend
2. Family
3. Relative
4. Colleague
```

-Input the first name and surname of the person that they wanted to input into the database. (For example, Freddie Shaun)

```
Name(Firstname Surname):
```

-Input the date of the day in the form of YYYY MM DD. (2021 05 05)

```
Input the Date (Ex: 2000 01 01):
Date(YYYY MM DD):
```

In the database menu, when the user chooses to search for the data in the database the program will direct the user to the search options menu where the user can choose to search by category, type of day, or display the day that occurred last month or will occur next month like the display shown below.

```
 1. Search by Category
 2. Search by Day
 3. The events that occur in the last month and those that will occur in the next month
 4. Back
```

In the search menu, when the user chooses to search by category, the program will ask the user to select which category the user wants to check.

```
Select the Category of the users that you want to display:
Category of the users:
1. Friend
2. Family
3. Relative
4. Colleague
```

After the user chooses the category, the program will display all the information that is related to the category that had been chosen.

For example (Friend):

```
Result of the searching information:
Diamand Mean | Birthday | Friend | 4/12/2001
Amine Zaghdoudi | Birthday | Friend | 23/8/2000
Nat Wuttiungsawotai | Birthday | Friend | 20/7/1998
Bruce Lee and Pepper Pott | Marriage | Friend | 12/2/1999
Vichit Ho | Birthday | Friend | 12/1/2002
Melis Mamataliev | Birthday | Friend | 17/4/2002
Kim Gookhyeon and Lilien Domokos | Anniversary | Friend | 5/10/2019
Max Steel | Birthday | Friend | 19/10/1999


Enter 4 to go back
```

In the search menu, when the user chooses to search by day, the program will also ask the user to select which type of day the users want to check.

```
------------------ __
___  __ \__    /\   | \/ /
__  / / /_  /\ |_  /
_  /_/ /_  ___ |  /
/_____/ /_/  |_/_/

Select the Type of day that you want to display:
Type of day:
1. Birthday
2. Anniversary
3. Nameday
4. Marriage
```

After the user chooses the type of day, the program will display all the information that is related to the type of day that had been chosen.

For example (Birthday):

```
Result of the searching information:
Diamand Mean | Birthday | Friend | 4/12/2001
Amine Zaghdoudi | Birthday | Friend | 23/8/2000
Nat Wuttiungsawotai | Birthday | Friend | 20/7/1998
Vichit Ho | Birthday | Friend | 12/1/2002
Ignis Port | Birthday | Family | 3/3/2003
Melis Mamaliev | Birthday | Friend | 17/4/2002
Kylian Mbappe | Birthday | Colleague | 10/10/2000
Bona Khoy | Birthday | Relative | 2/12/1963
Max Steel | Birthday | Friend | 19/10/1999
Malongvy Mean | Birthday | Family | 7/12/1969


Enter 4 to go back
```

In the search menu, when the user chooses to display the events that occurred last month and the events that will occur next month. The program will display all the information of the day that occurred last month and will occur next month by checking the month of the computer.

For example, this month is November:

```
The events that occurred last month:

Kim Gookhyeon and Lilien Domokos | Anniversary | Friend | 5/10/2019
Gary Plankton and Sally Costa | Marriage | Colleague | 9/10/2009
Kylian Mbappe | Birthday | Colleague | 10/10/2000
Vatana Tithout and Bona Khoy | Marriage | Relative | 11/10/2011
Max Steel | Birthday | Friend | 19/10/1999

The events that will occur next month:

Veronica Collin and Conor Waller | Marriage | Colleague | 2/12/2004
Bona Khoy | Birthday | Relative | 2/12/1963
Diamand Mean | Birthday | Friend | 4/12/2001
Malongvy Mean | Birthday | Family | 7/12/1969
Bruce Wayne and Talia Ah'Ghul | Marriage | Colleague | 12/12/2005


Enter 4 to go back
```

In the database menu, when the user chooses to delete the data from the database the program will display all the data contained inside the database and ask the user to input the first name and surname of the person that the user wants to delete.

```
------------------------------------
___  __ \__  ___/__  /___  ___/__  __ \____/
__  / / /_  /_  __  / __  __/ __  / _ __ _/
_  /_/ /_  ___ _  /  __  /___ _  /    _ ___
/_____/ /_____/ /_____/_____/ /_/    /_/

Diamand Mean | Birthday | Friend | 4/12/2001
Amine Zaghdoudi | Birthday | Friend | 23/8/2000
Nat Wuttiungsawotai | Birthday | Friend | 20/7/1998
Bruce Lee and Pepper Pott | Marriage | Friend | 12/2/1999
Vichit Ho | Birthday | Friend | 12/1/2002
Kimleng Oeur and Dori Nemo | Anniversary | Relative | 19/9/2021
Ignis Port | Birthday | Family | 3/3/2003
Elena Ivanko and Peter Pan | Marriage | Relative | 15/4/2011
Lina Nelson and Bob Parker | Anniversary | Colleague | 9/9/2014
Melis Mamaliev | Birthday | Friend | 17/4/2002
Tony Stark | Nameday | Colleague | 25/5/1983
Kylian Mbappe | Birthday | Colleague | 10/10/2000
Veronica Collin and Conor Waller | Marriage | Colleague | 2/12/2004
Vatana Tithout and Bona Khoy | Marriage | Relative | 11/10/2011
Bona Khoy | Birthday | Relative | 2/12/1963
Kim Gookhyeon and Lilien Domokos | Anniversary | Friend | 5/10/2019
Bruce Wayne and Talia Ah'Ghul | Marriage | Colleague | 12/12/2005
Max Steel | Birthday | Friend | 19/10/1999
Gary Plankton and Sally Costa | Marriage | Colleague | 9/10/2009
Malongvy Mean | Birthday | Family | 7/12/1969

Input the name of the person that you want to delete:
Name(Firstname Surname): |
```

For example (Ignis Port):

Name: Mean Diamand
Neptun Code: KSG25Z

```
Input the name of the person that you want to delete:
Name(Firstname Surname): Ignis Port

Result after deleting the data:
Diamand Mean | Birthday | Friend | 4/12/2001
Amine Zaghdoudi | Birthday | Friend | 23/8/2000
Nat Wuttiungsawotai | Birthday | Friend | 20/7/1998
Bruce Lee and Pepper Pott | Marriage | Friend | 12/2/1999
Vichit Ho | Birthday | Friend | 12/1/2002
Kimleng Oeur and Dori Nemo | Anniversary | Relative | 19/9/2021
Elena Ivanko and Peter Pan | Marriage | Relative | 15/4/2011
Lina Nelson and Bob Parker | Anniversary | Colleague | 9/9/2014
Melis Mamataliev | Birthday | Friend | 17/4/2002
Tony Stark | Nameday | Colleague | 25/5/1983
Kylian Mbappe | Birthday | Colleague | 10/10/2000
Veronica Collin and Conor Waller | Marriage | Colleague | 2/12/2004
Vatana Tithout and Bona Khoy | Marriage | Relative | 11/10/2011
Bona Khoy | Birthday | Relative | 2/12/1963
Kim Gookhyeon and Lilien Domokos | Anniversary | Friend | 5/10/2019
Bruce Wayne and Talia Ah'Ghul | Marriage | Colleague | 12/12/2005
Max Steel | Birthday | Friend | 19/10/1999
Gary Plankton and Sally Costa | Marriage | Colleague | 9/10/2009
Malongvy Mean | Birthday | Family | 7/12/1969


Enter 4 to go back
```

In the database menu, when the user chooses to print the databases, the program will display all the data that contain in the linked list on the console.

```
___   __  \___  |__   __/__    |___   __ )__    |_    ___/__   ____/_   ___/
__   // /__  /\ |  __/_  /\ |  __  __  )__  /\ |  ____ \__  __/___ \____ \
_  _// /_  ___/ /   __  /_/ /_  /_  /   _____/__  /_    _ /___  ___/____/ /
/_____/ /_  /_/    /_/  |_/_____/ /_/  |_/____/ /_____/  /____/

Diamand Mean | Birthday | Friend | 4/12/2001
Amine Zaghdoudi | Birthday | Friend | 23/8/2000
Nat Wuttiungsawotai | Birthday | Friend | 20/7/1998
Bruce Lee and Pepper Pott | Marriage | Friend | 12/2/1999
Vichit Ho | Birthday | Friend | 12/1/2002
Kimleng Oeur and Dori Nemo | Anniversary | Relative | 19/9/2021
Elena Ivanko and Peter Pan | Marriage | Relative | 15/4/2011
Lina Nelson and Bob Parker | Anniversary | Colleague | 9/9/2014
Melis Mamataliev | Birthday | Friend | 17/4/2002
Tony Stark | Nameday | Colleague | 25/5/1983
Kylian Mbappe | Birthday | Colleague | 10/10/2000
Veronica Collin and Conor Waller | Marriage | Colleague | 2/12/2004
Vatana Tithout and Bona Khoy | Marriage | Relative | 11/10/2011
Bona Khoy | Birthday | Relative | 2/12/1963
Kim Gookhyeon and Lilien Domokos | Anniversary | Friend | 5/10/2019
Bruce Wayne and Talia Ah'Ghul | Marriage | Colleague | 12/12/2005
Max Steel | Birthday | Friend | 19/10/1999
Gary Plankton and Sally Costa | Marriage | Colleague | 9/10/2009
Malongvy Mean | Birthday | Family | 7/12/1969


Enter 4 to go back
```