Примеры работы программы

1. Вывод главного меню:

This is PhoneBook. Choose command:

[1] - Print PhoneBook

[2] - Find some record

[3] - Delete some record

[4] - Create new record

[5] - Rewrite some record

[6] - Age of person

[7] - People who has birthday in the next 30 days

[8] - People elder/younger N years

[9] - Exit from phonebook

1. Просмотр всех записей телефонной книги

Input: 1

Output:

Name Surname Phone Birthday

0 Tamara Lukicheva 89302933509 NaN

1 Polina Lukicheva 89307122950 NaN

2 Grigory Tarelov 89051955195 2000-02-17

3 Polina Skorocpelkina 89081746246 2001-01-08

4 Timofey Asdipin 89123057429 1999-05-16

5 Tatiana Trofimova 89472835647 NaN

6 Kamila Izeva 89523467123 1989-11-21

7 Albina Voznikina 89222473856 1987-01-23

1. Поиск записи телефонной книги

Input: 2

Output: Enter what do you want to find:

* 1. Поиск по одному полю:

Input:

Output: Anything was entered. Try again!

Input: Agata

Output: The record is not found in telephonebook

Input: Polina

Output:

Name Surname Phone Birthday

1 Polina Lukicheva 89307122950 NaN

Name Surname Phone Birthday

3 Polina Skorocpelkina 89081746246 2001-01-08

Input: trofimova

Output:

Name Surname Phone Birthday

5 Tatiana Trofimova 89472835647 NaN

Input: 89523

Output: The record is not found in telephonebook

Input:89307122950

Output:

Name Surname Phone Birthday

1 Polina Lukicheva 89307122950 NaN

Input: 2001-03-15

Output:

Name Surname Phone Birthday

4 Timofey Asdipin 89123057429 1999-05-16

* 1. Поиск по нескольким полям

Input: tarelov grigory

Output:

Name Surname Phone Birthday

2 Grigory Tarelov 89051955195 2000-02-17

Input: Skorocpelkina 89081763748

Output: The record is not found in telephonebook

Input: 89222473856 1987-01-23

Output:

Name Surname Phone Birthday

7 Albina Voznikina 89222473856 1987-01-23

Input: Пфдштф Дшмштф

Output: The record is not found in telephonebook

Input: Lukicheva polina 89368475617

Output: The record is not found in telephonebook

Input: 89307122950 polina lukicheva

Output:

Name Surname Phone Birthday

1 Polina Lukicheva 89307122950 NaN

1. Удаление записи

Input: 3

Output: Enter some fields of the line you want to delete in phonebook, separated by space:

* 1. Удаление записи по одному полю

Input: michel

Output: The record is not found in telephonebook

Input: kamila

Output:

Name Surname Phone Birthday

6 Kamila Izeva 89523467123 1989-11-21

Input: Polina

Output:

Name Surname Phone Birthday

1 Polina Lukicheva 89307122950 NaN

Name Surname Phone Birthday

3 Polina Skorocpelkina 89081746246 2001-01-08

Choose records, that you want to delete. Enter numbers of strings, separated by space:

Input: 6

Output: Invalid string value. Try again!

Input: 1 3

Output: Record(s) was deleted!

Input: polina

Output: Enter only numbers. Try again!

Input: 1

Output: Record(s) was deleted!

Input: 89307122950

Output:

Name Surname Phone Birthday

1 Polina Lukicheva 89307122950 NaN

Record(s) was deleted!

* 1. Удаление по нескольким полям

Input: 89051955195 Grigory

Output:

Name Surname Phone Birthday

2 Grigory Tarelov 89051955195 2000-02-17

Record(s) was deleted!

Input: grigiru Tarelov

Output: The record is not found in telephonebook

1. Создание новой записи

Input: 4

Output: Enter name, surname, number of phone, (birthday YYYY-MM-DD), separated by space:

* 1. Введение существующей записи:

Input: Albina Voznikina 89222473856 1987-01-23

Output:

Record with this name and surname is already in the dictionary

[1] - rewrite record

[something] - return to main menu

Input: 1

Output: Name Surname Phone Birthday

0 Tamara Lukicheva 89302933509 NaN

1 Grigory Tarelov 89051955195 2000-02-17

2 Polina Skorocpelkina 89081746246 2001-01-08

3 Timofey Asdipin 89123057429 1999-05-16

4 Tatiana Trofimova 89472835647 NaN

5 Kamila Izeva 89523467123 1989-11-21

6 Albina Voznikina 89222473856 1987-01-23

Choose number row and name of column. Enter separated by a space:

(Дальнейшие Input/Output смотреть в пункте 6)

Input: iwjdc

Output: Возврат в основное меню

* 1. Введение не существующей записи:

Input: Arkady Starodubov 89205647456 1956-05-30

Output: The record is not found in telephonebook

Entry was added!

Input: 9rkadu Starodubov 89205647456 1956-05-30

Output: The record is not found in telephonebook

Incorrect value. First letter must be upper. Try again!

Input: Arkady Starodubov +79205647456 1956-05-03

Output: The record is not found in telephonebook

Entry was added!

Input: Arkady Starodubov 89205647456 1956-55-03

Output: The record is not found in telephonebook

Incorrect data format. Try again!

Input: Arkady Starodubov 8920564756 1956-05-03

Output: The record is not found in telephonebook

Incorrect number. Try again!

Input:

Output: Not enough values. Try again!

Input: Kate Milovna

Output: Not enough values. Try again!

Input: Gennady Arcadyevich Lyahov 89234849048 1962-09-23

Output: Too many values. Try again!

1. Перезапись поля в телефонной книге

Input: 5

Output:

Name Surname Phone Birthday

0 Tamara Lukicheva 89302933509 NaN

1 Grigory Tarelov 89051955195 2000-02-17

2 Polina Skorocpelkina 89081746246 2001-01-08

3 Timofey Asdipin 89123057429 1999-05-16

4 Tatiana Trofimova 89472835647 NaN

5 Kamila Izeva 89523467123 1989-11-21

6 Albina Voznikina 89222473856 1987-01-23

Choose number row and name of column. Enter separated by a space:

* 1. Введение корректного номера строки и названия столбца

Input: 5 Birthday

Output: Enter value:

Input: 19.02.2002

Output: Incorrect data format. Try again!

Input: 2002-02-19

Output: The record was rewrite!

Input: Surname 3

Output: Enter value:

Input: Skorospelkina

Output: The record was rewrite!

Input: sko??spelkina

Output: Name must not contain special characters. Try again!

* 1. Введение некорректных данных вместо номера строки и названия столбца

Input: 6 8

Output: Incorrect value of column. Try again!

Input: Name Surname

Output: Incorrect value of row. Try again!

Input:

Output: Invalid number of parametrs. Try again!

Input: 1 2 3 4

Output: Invalid number of parametrs. Try again!

1. Вывод возраста человека

Input:6

Output: Enter name and surname of person, separated by space:

* 1. Введение корректных данных

Input: Tatiana Trofimova

Output: The age of person: 18

Input: Trofimova Tatiana

Output: The age of person: 18

Input: tamara lukicheva

Output: Day of birthday do not write

* 1. Введение не корректных данных

Input: YVUhbd UGI

Output: The record is not found in telephonebook

Input:

Output: Incorrect number of values. Try again!

Input: Aleksandr Timofeevich Gorachkin

Output: Incorrect number of values. Try again!

1. Вывод людей с днем рождения в ближайший месяц

Input: 7

Output: No one has a birthday :\_(

Input: 7

Output:

People who has birthday in next 30 days:

Name Surname Phone Birthday

8 Kirill Andreev 89345869546 1996-12-15

1. Люди старше/младше или определенного возраста

Input: 8

Output: Enter number of years:

* 1. Корректные данные

Input:25

Output:

Enter:

[<] - if you want to see people who younger 15 years

[=] - if you want to see people who 15 years

[>] - if you want to see people who elder 15 years

Input: >

Output:

Name Surname Phone Birthday

6 Kamila Izeva 89523467123 1989-11-21

Name Surname Phone Birthday

7 Albina Voznikina 89222473856 1987-01-23

Input:=

Output: No one was found :\_(

Input:<

Output:

Name Surname Phone Birthday

2 Grigory Tarelov 89051955195 2000-02-17

Name Surname Phone Birthday

3 Polina Sko??Spelkina 89081746246 2001-01-08

Name Surname Phone Birthday

4 Timofey Asdipin 89123057429 1999-05-16

Name Surname Phone Birthday

5 Tatiana Trofimova 89472835647 2002-02-19

Name Surname Phone Birthday

8 Kirill Andreev 89345869546 1996-12-15

Input:

Output: Imposible command. Try again!

Input:12

Output: Imposible command. Try again!

* 1. Некорректные данные

Input: erferf

Output: You enter not number. Try again!

Input:

Output: You enter not number. Try again!

1. Выход

Input: 9

Output: Good bye!