

Console Assisnant

ver. 1.0.0

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1 Console Assistant

Console Assistant is a `python 3.x`-based command-line program that allows you to manage your contacts and notes.

The assistant saves contacts and notes to the folder of the current user. For example, in Windows is a folder `C:\Users\<Usaer>\` with names

- `contacts.bin`
 - `notes.bin`
- respectively.

1.1 Install and Run Assistant

- Clone repository `https://github.com/sergiokapone/project-team-9_console_helper.git`
- Create virtual environment in folder contains `setup.py`
- Type `activate.cmd` in command line.
- To install a module in a virtual environment, type the `install.cmd` in console.
- To start the assistant, type `assistant` in console.

1.2 Commands

1.2.1 Hello and welcome commands

- `help`: Displays a list of available commands and their descriptions.
- `hello`: Greets the user.
- `good bye`, `close`, `exit`: Exits the program with saving data.
- `::`: exits the program without messages with saving data.
- `*`: exits the program without messages without saving data.

1.2.2 Manage contacts commands

- `add contact`: Add a contact to the address book.
- `set phone`: Allows the user to set their phone number.
- `remove phone`: Removes the user phone number.
- `set email`: Allows the user to set their email address.
- `remove email`: Removes the user email.
- `set address`: Allows the user to set their address.
- `remove address`: Removes the user address.

- **set birthday:** Allows the user to set their birthday.
- **upcoming birthdays:** Shows the list of upcoming birthdays.
- **show contacts:** Shows the list of saved contacts.
- **show contact:** Shows the details of a specific contact.
- **search contact:** Searches for a specific contact by name.
- **remove contact:** Removes a contact from the list.
- **save:** save contacts to file.
- **load:** load contacts from file.

1.2.3 Sorting Folder

- **sort folder:** Sort folder.

1.2.4 Manage notes commands

- **add note:** Adds a note.
- **show notes:** Shows the list of saved notes.
- **search notes:** Searches for a specific note by title or date.
- **remove note:** Removes a note from the list.
- **save notes:** Saves the notes to a file.
- **load notes:** Loads the notes from a file.
- **change note:** Edit note by index.
- **remove tag:** Removes Tag for specified note index.

1.3 Usage Examples

1.3.1 Sort folder

- `>>> sort folder D:\MyGarbage\` — sort files in folder D:\MyGarbage\

1.3.2 Manage contacts

To manage contacts in your address book, You can type commands by following examples:

- `>>> show contacts` — shows table of contacts in address book.
- `>>> show contacts 3` displaying contacts in chunks of 3 items, 20 is by default
- `>>> add contact Username` — add empty contact Username to the address book.
- `>>> add contact Someone 03.05.1995 his_mail@i.ua` — add contact Someone to the address book with date of birthday 03.05.1995 and email his_mail@i.ua.
- `>>> set phone Username 0935841245` — add phone¹ to contact Username in address book.
- `>>> set birthday Username 12.12.1978` — add birthday² to contact Username in address book.
- `>>> set email my_name@gmail.com` — add email³ my_name@gmail.com to contact Username in address book.
- `>>> upcoming birthdays 5` — shows contacts with upcoming birthdays within 5 days.
- `>>> show contact Username` — show contact Username information.
- `>>> search contact SearchQuery` — where SearchQuery some word or number for searching.

¹If the contact is missing, it will be added automatically

²If the contact is missing, it will be added automatically

³If the contact is missing, it will be added automatically

- >>> remove contact Username — remove contact Username
- >>> remove phone Username 1 — remove user phone by index 1.
- >>> remove email Username 2 — remove user email by index 2.

1.3.3 Manage notes

To manage contacts in your address book, You can type commands by following examples:

- >>> show notes — just show all notes.
- >>> show notes Rec — show all notes with tag Rec.
- >>> show notes 3 — displaying notes in chunks of 3 items.
- >>> add note Tag Text of your note — add note with Tag⁴ and text Text of your note.
- >>> add tag 1 Mytag — add tag Mytag[^3] to note with index 1.
- >>> remove tag 4 Tag — removes Tag for note with index 4.
- >>> change note 1 New text — change note 1 with New text.
- >>> remove note 2 — remove note with index 2.

1.3.4 Exit program

To exit the program just type following commands⁵:

- >>> good bye
- >>> close
- >>> exit

Another possibility to exit without any messages is typing dot:

- >>> .

Upon subsequent program entry, the data will be loaded automatically.

But if you type * the application exit without saving your data:

- >>> *

⁴When creating a note, you can assign only one single-word tag. You can add subsequent tags with add tag command. [^3]: Tag cannot be a number.

⁵After executing the specified commands, the application will save your data automatically.