jetburn

Release 3.2.0

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Jetburn(`jetburn`) is an airline ticket explorer program designed to find the lowest priced tickets from origin airport to destination airport. This program is not an airline ticket booking system and has **no affiliation** with any airlines whatsoever.

Important: This program is not an airline ticket booking system and has no affiliation with any airlines or ticketing agents

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CHAPTER

ONE

OVERVIEW

Jetburn is a specially designed program to search and find the lowest priced airplane ticket between origin airport and destination airport.

CHAPTER

TWO

FREE USAGE

I have developed this program from my own personal needs and requirements. Feel free to use it as long as you agree and honor the license. License information can be found inside the app. To know more about the license please visit LGPL-3.0

2.1 Install

Jetburn (`jetburn`) requires Python `3.6 or higher`. If you do not already have a Python environment configured on your computer, please see the Python page for instructions on installing Python environment.

Note: if you are on Windows and want to install optional packages (e.g., scipy) then you will need to install a python distribution such as Anaconda, Enthought Canopy or Pyzo. If you use one of these Python distributions, please refer to their online documentation.

Assuming that the default python environment is already configured on your computer and you intend to install `jetburn` inside of it. To create and work with Python virtual environments, please follow instructions on venv and virtual environments

To start the installation process, please make sure the latest version of `pip3` (Python package manager) is installed. If `pip3` is not installed, please refer to the Pip documentation and install `pip3` first.

2.1.1 Linux / macOS

Install the latest release of `jetburn` with `pip3`:

```
pip3 install jetburn
```

To upgrade to a newer version use the `--upgrade` flag:

```
pip3 install --upgrade jetburn
```

If system wide installation is not possible for permission reasons, use `--user` flag to install `jetburn` for current user

```
pip3 install --user jetburn
```

2.1.2 Windows

Considering `python3` is installed and `pip3` is configured.

Open cmd/powershell and Type:

```
pip3 install jetburn
```

Or

```
python3 setup.py install
```

This command should install `jetburn` with all the required dependencies.

> **Hint:** Windows terminal (cmd/power shell) doesn't support all the unicode codecs and to get the best results - please use a terminal emulator like, cmder [Download Cmder] or ConEmu [Download ConEmu]. Please use <*xterm*> color scheme from *settings* menu, for the best visual representation of the program.

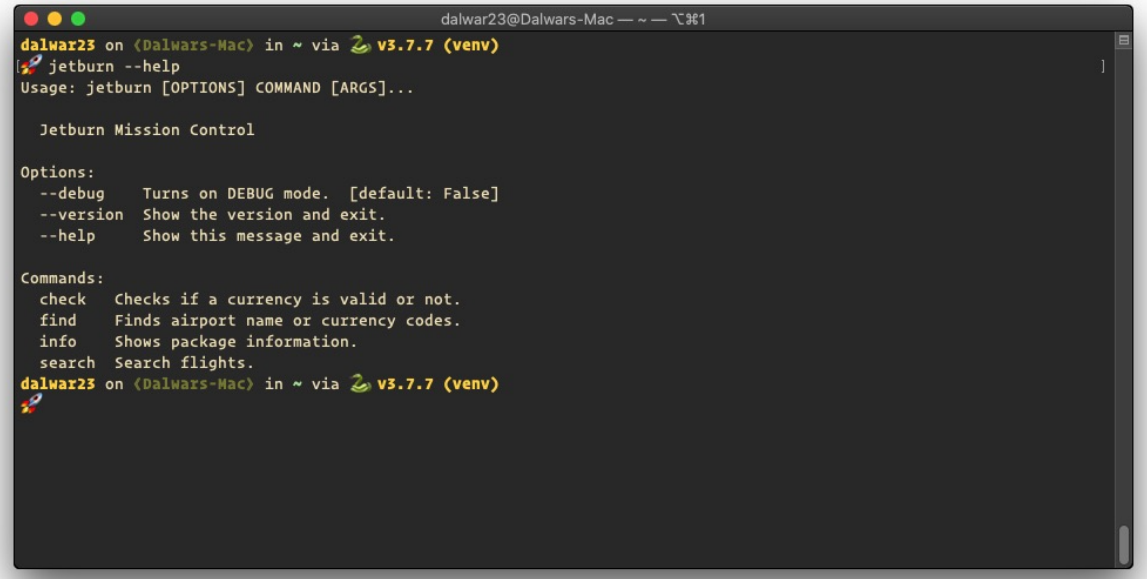
2.2 Tutorials

2.2.1 Usage

Note: Always remember, when in doubt use `--help` flag.

2.2.2 Getting Help

```
jetburn --help
```

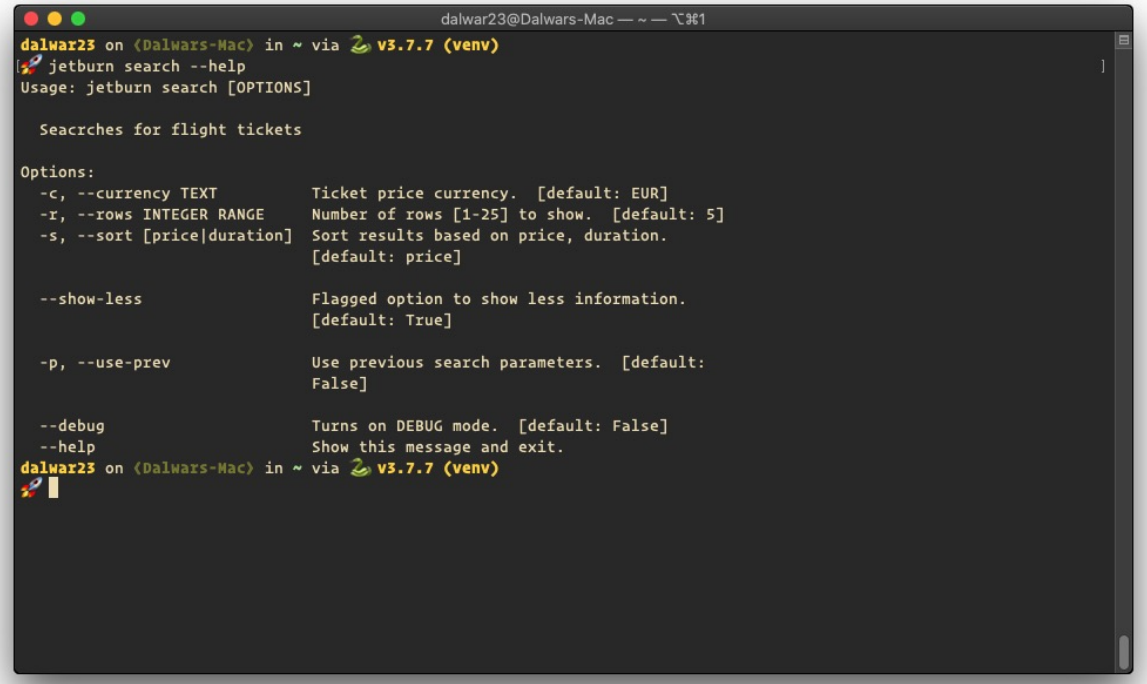


2.2.3 Search

Options

`search` is the option that does the actual flight seaches. It has quite a few options to consider. `--help` flag will show all available options.

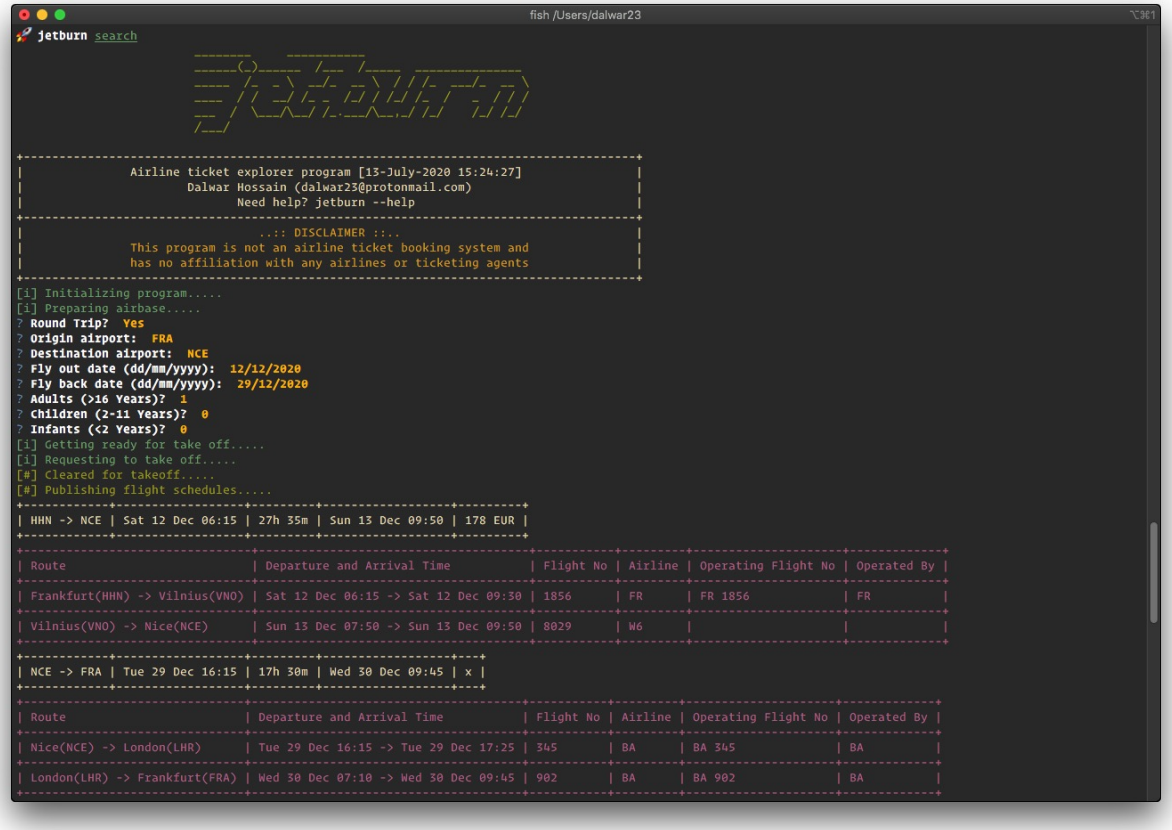
```
jetburn search --help
```



Simple Search

To search for flights between two airports, invoke a simple search with

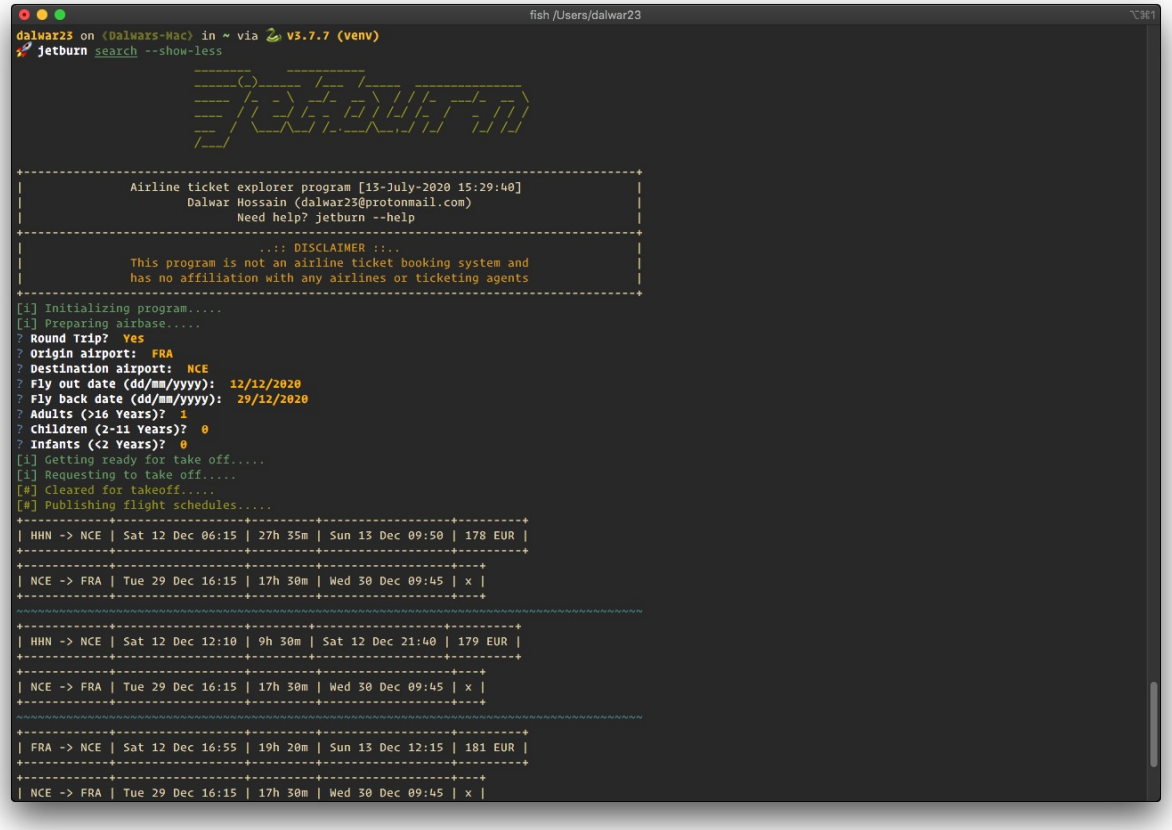
```
jetburn search
```



Display Less Information

To show less information on screen use `--show-less` flag.

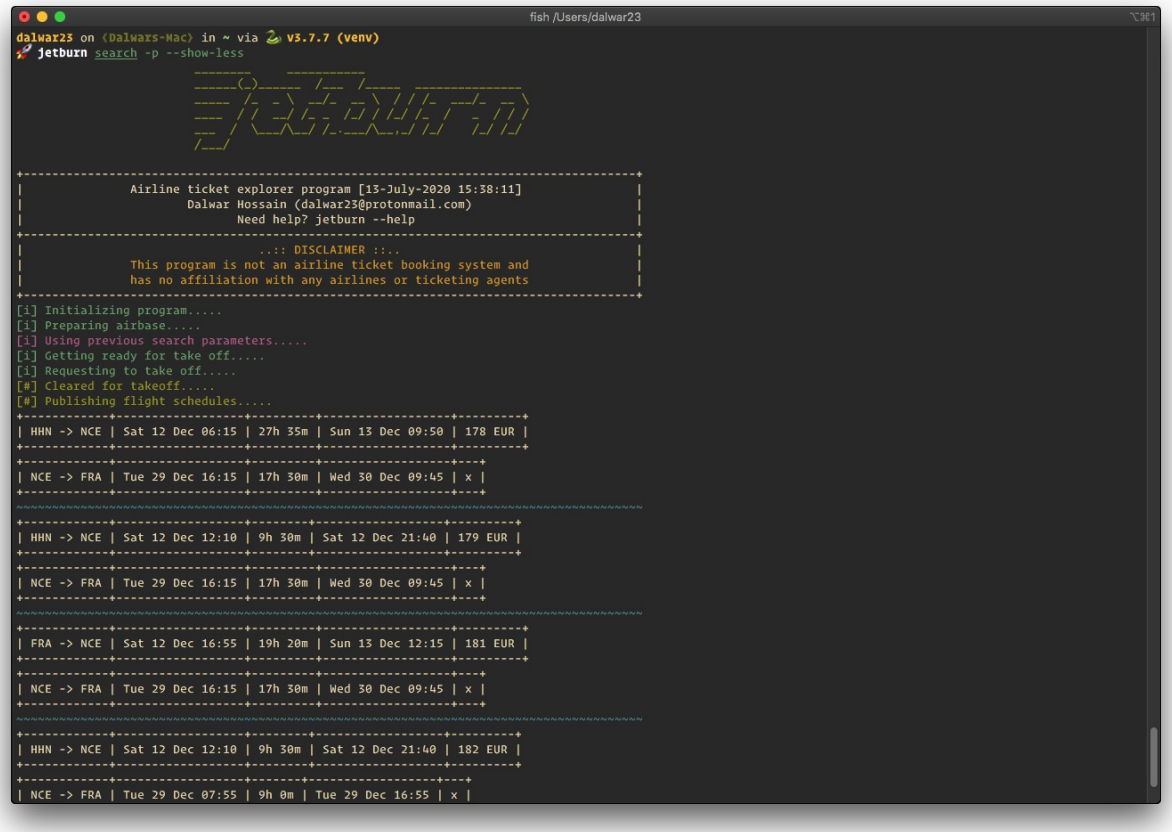
```
jetburn search --show-less
```



Use Previous Search Parameters

To use the previous search parametes again in a new search, pass in the `-p` or `--use-prev` flag. In this way, system will not ask question about your trip details. It will try to find the previous search parameters and use it, in case the system can't find any previous search it will prompt for trip details.

```
jetburn search -p --show-less
```

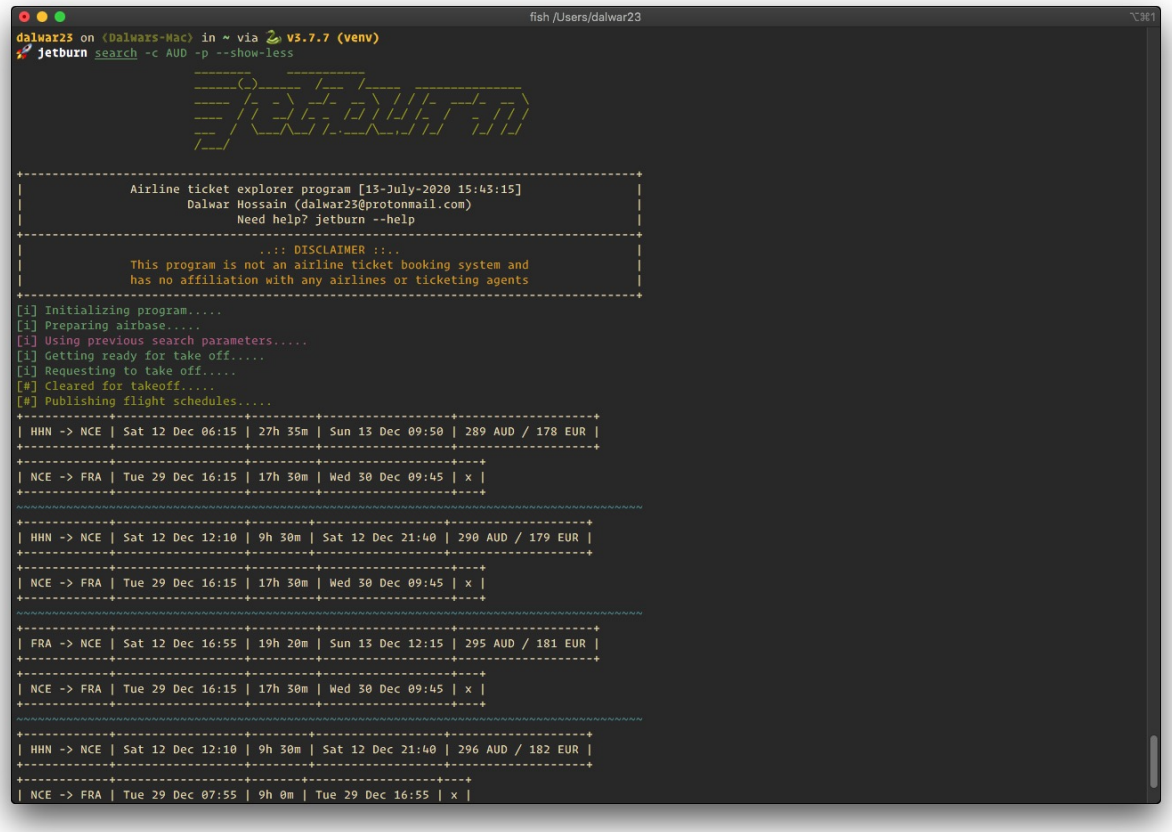


Price in Desired Currency

To get the ticket price in a desired currency, add `-c` or `--currency` flag follwed by `ISO 4217` currency code.

Hint: See `FIND` section of this tutorial to find the currency code of your desired country.

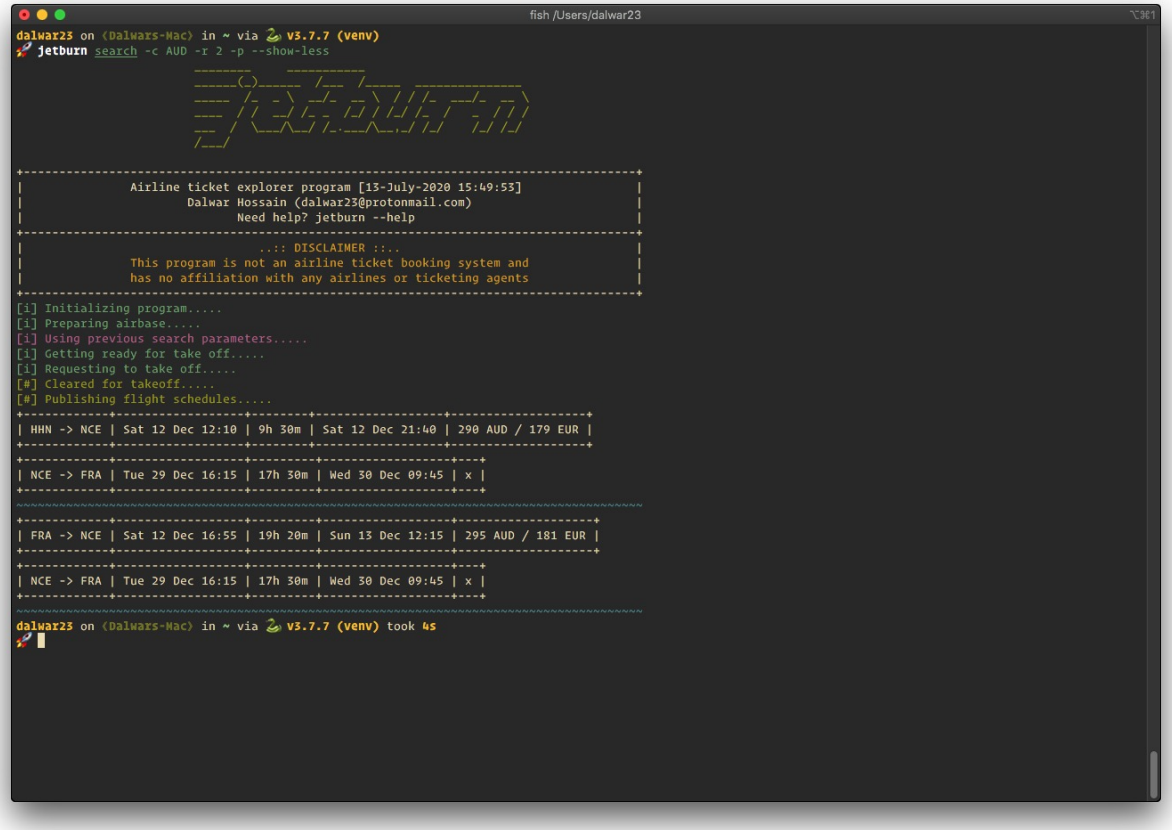
```
jetburn search -c AUD --show-less
```



Adjust Search Results Display

By default the system will show `5` results on screen. With the help of `-r` or `--rows` flag this behaviour can be adjusted between `1 - 25`. Below example shows only `2` results.

```
jetburn search -c AUD -r 2 -p --show-less
```

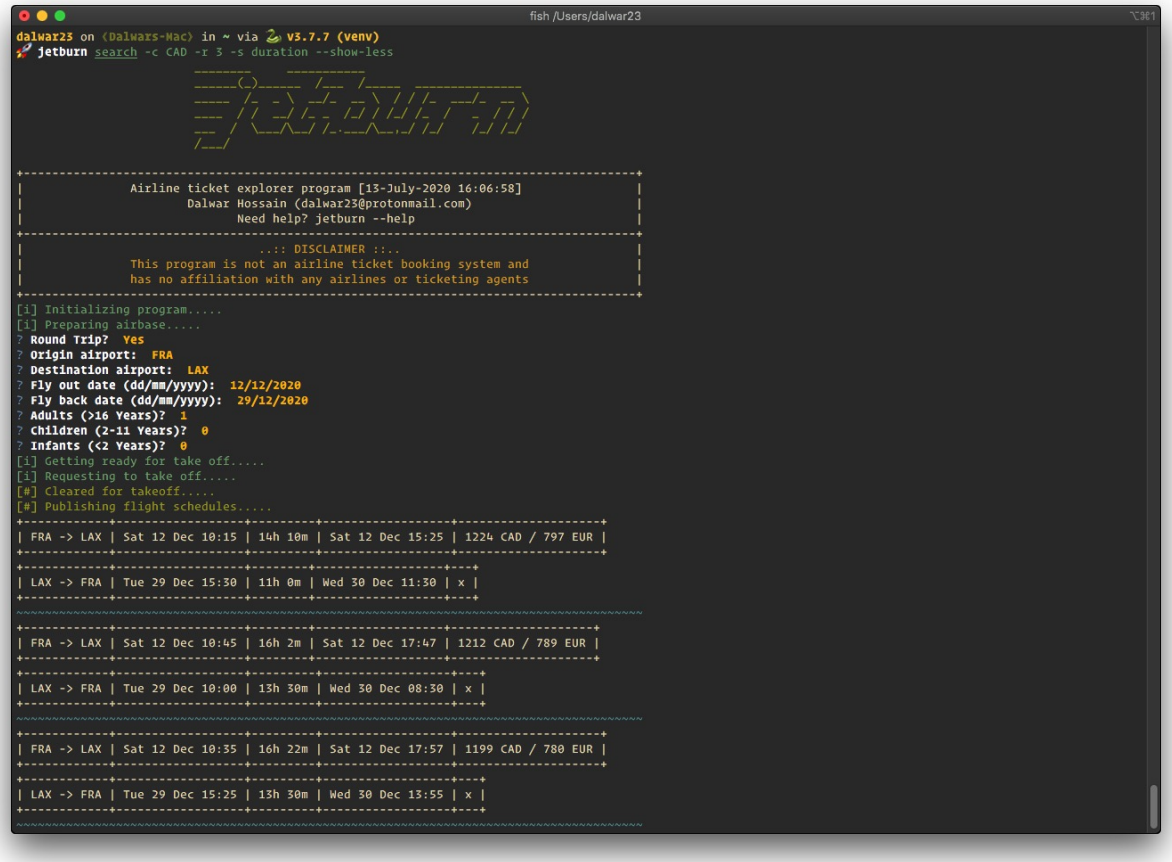


Sort Search Results

Search results can be sorted against `price` and `duration`. By `DEFAULT` it's sorted from `LOWEST` **PRICE** `HIGHEST`.

There are two options available for sorting - `price` and `duration` of the flight. To sort the results according to flight duration use `-s` or `--sort` flag. The following example shows a result set sorted by `duration`.

```
jetburn search -c CAD -r 3 -s duration --show-less
```



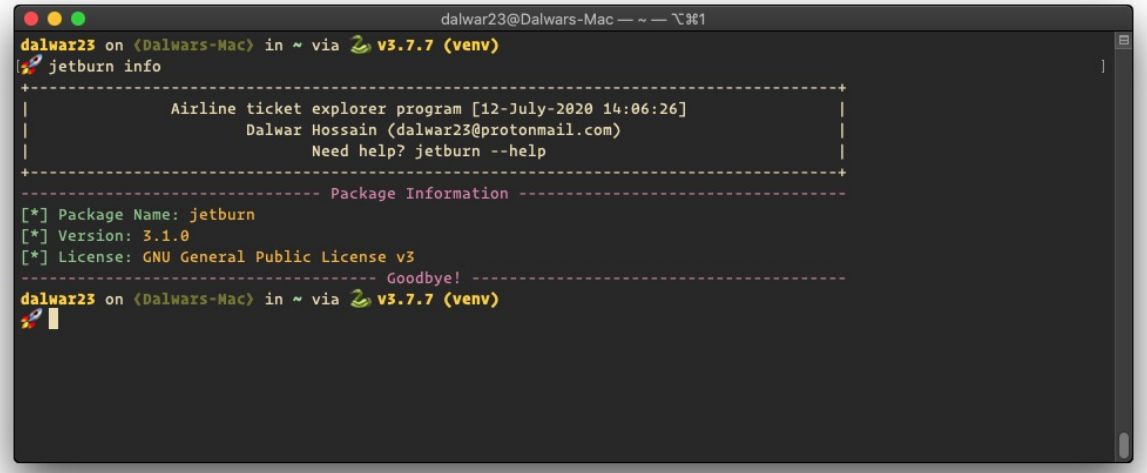
2.2.4 Info

To get the current version use -

```
jetburn --version
```

If interested in more information about the package use `info` sub-command

```
jetburn info
```

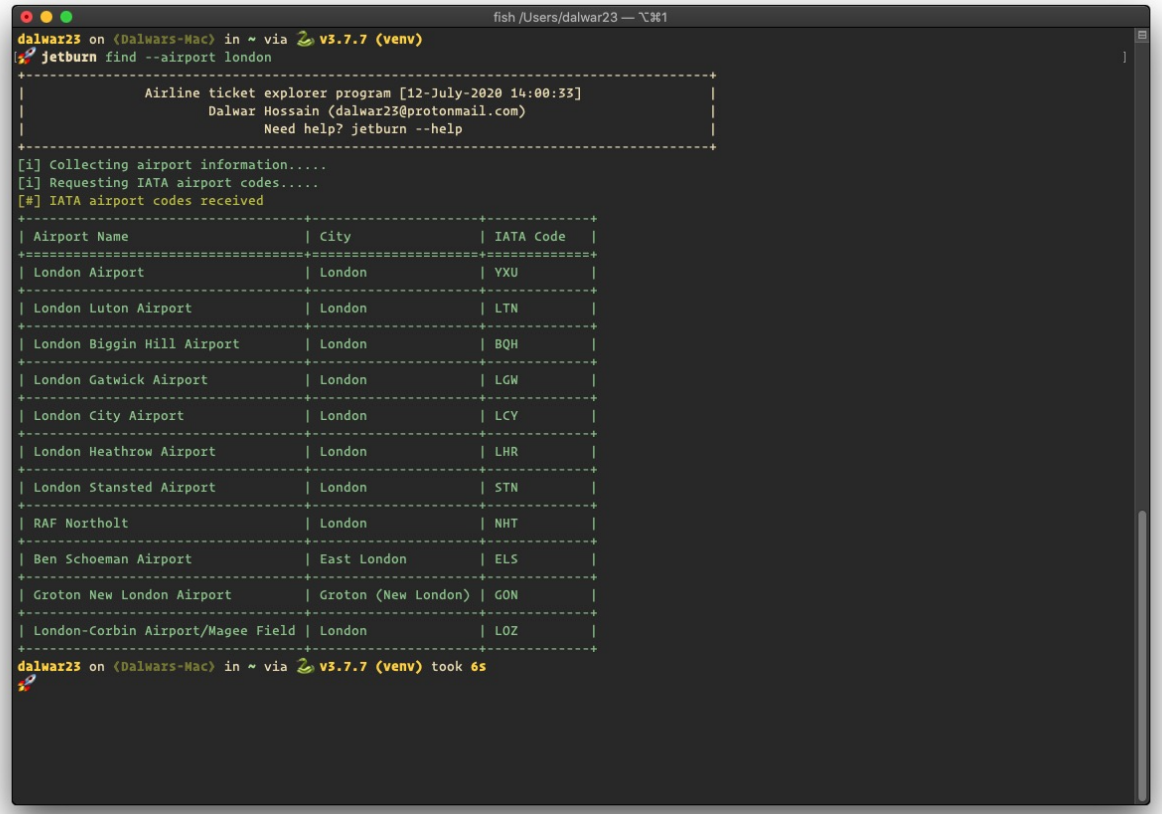


2.2.5 Find

Aritports

To find `airports` by city name use `find` sub-command. E.g. let's find out all airports located in/near `LONDON`.

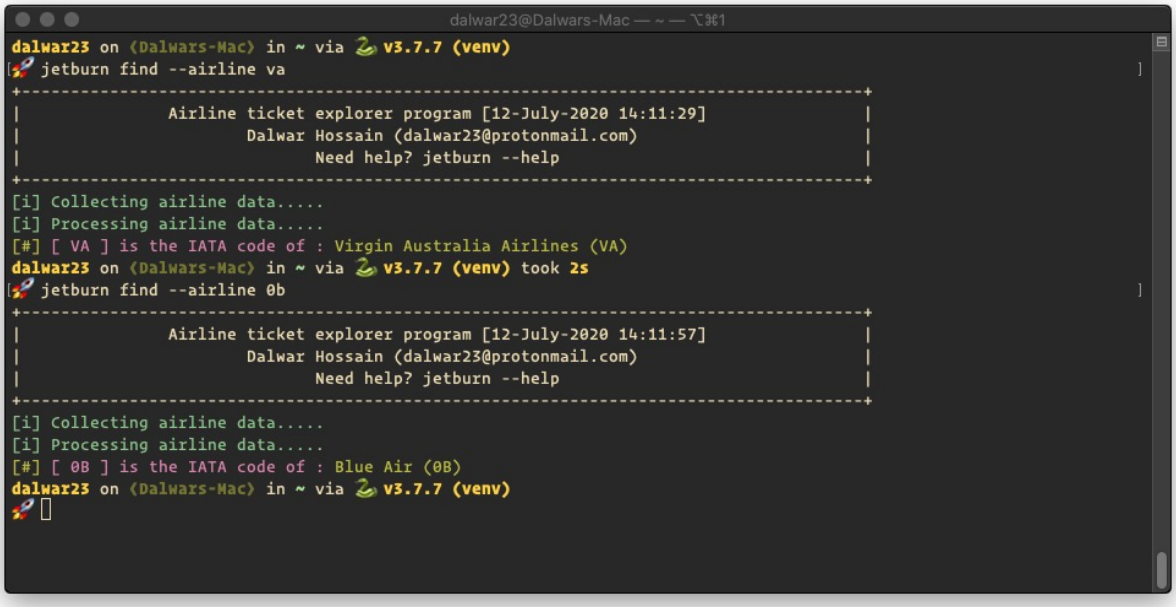
```
jetburn find --airport london
```



Airlines

Finding `IATA` code for airlines from a search is easy but this option is designed to help to get the name of the airline. e.g Let's find out which airline is `VA` or `0b` ?

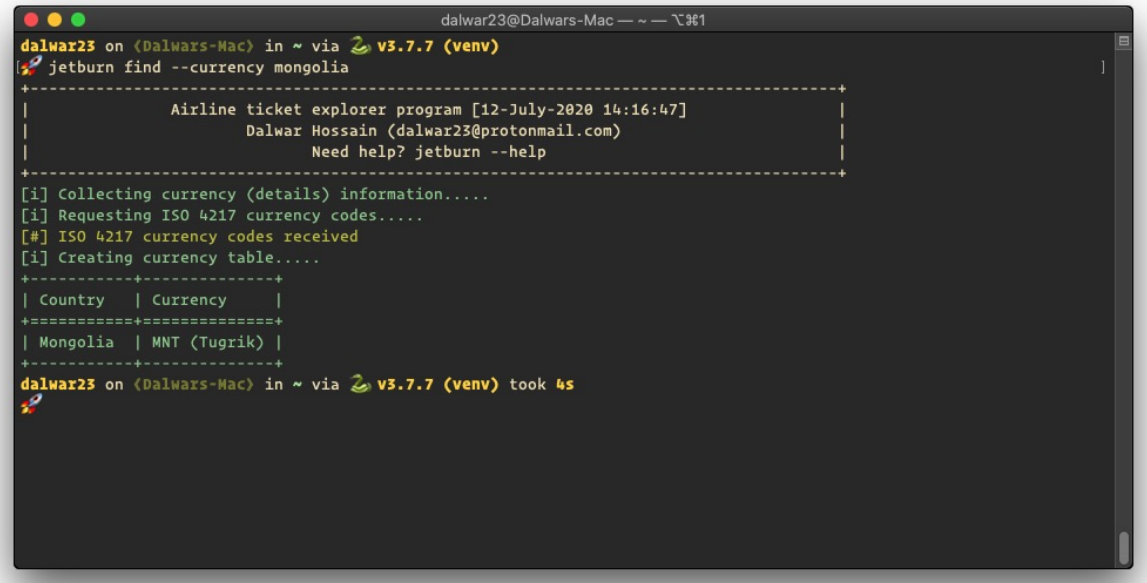
```
jetburn find --airline va
```



Currency

If you are in doubt what is the currency code to be used while searching, currency codes can be obtained through `--currency` flag with `country name` as an argument. e.g. Let's take a look at the currency code of `mongolia`

```
jetburn find --currency mongolia
```

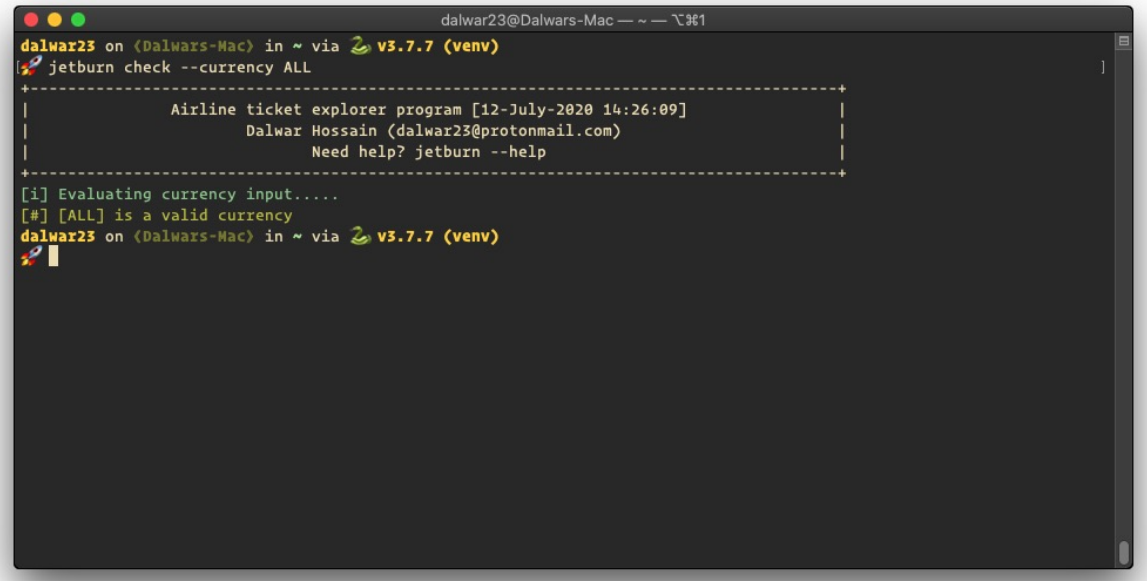


2.2.6 Check

This sub-command is designed to check if a currency can be used to search flights. Flight search will show results in provided currency if the provided currency is a valid currency. Let's check if `ALL` is a valid currency or not.

Important: `all` in small letters will show all the valid currencies but `ALL` is a valid currency of `ALBANIA`

```
jetburn check --currency ALL
```



2.3 API References

API references are not available by author's choice. If you require api reference for this package please contact the author.

Contact: dalwar23@pm.me

2.4 Change Log

2.4.1 version 3.2.0

1. Updated documentation
2. Updated find options
3. Updated tests

2.4.2 version 3.1.5

1. Fixed bug for time duration of return flight

2.4.3 version 3.1.4

1. Fixed bug with duration of the flight one way

2.4.4 version 3.1.3

1. Add new tequila backend api
2. fixed bugs with datahub.io

2.4.5 version 3.1.2

1. Fixed api backend unreachable error for flight search
2. Refactoring

2.4.6 version 3.1.1

1. Added package information
2. Fixed a few issues with packaging

2.4.7 version 3.1.0

1. Removed `python 2` support
2. Entire source code re-written to be `python 3` friendly
3. Improved parser design
4. Improved API handles
5. More options for manipulating search
6. Improved CLI
7. Search airline, airport, currencies
8. Faster search results
9. Up to 25 results with details with route and flight info
10. Check currency for validity
11. Price multi view against EURO and desired currency
12. Automatic storage of search results in `json` format (in current directory)
13. Better and colorful `DEBUG` output
14. Option to use previous search at any given time with simple `-p` flag
15. Control the search result view with `--show-less` flag

2.4.8 version 2.1.0

1. Semantic version adaptation
2. Cross python version compatibility (python2 and python3)
3. Terminal coloring updates
4. Major refactoring of source code
5. Online documentation is available [Here]
6. Search airport IATA (International Air Transport Association) code by city
7. Check all available currency
8. Realtime IATA codes extract everyday, so always updated
9. Important methods has been made public
10. `-v` or `--version` flag is introduced

2.4.9 version v1.5

1. [SKIPPED]

2.4.10 version v1.4

1. Airline name is visible in compact (default) mode
2. Supports Windows

2.4.11 version v1.3

1. Added warning / disclaimer note
2. Added license information on screen

2.4.12 version v1.2

1. New version syntax introduced [version.release]
2. Support for python 3.4 - deprecated
3. Fixed connection error messages for HTTP protocol
4. Introduced separate change log

2.4.13 version v1.1

[SKIPPED]

2.4.14 version v1.0

1. One way flight ticket fare explorer
2. Find airport by city name
3. Find valid currencies list
4. User defined currency and conversion between EURO
5. User defined display list (number of search results shown on screen)
6. Single mode execution

CHAPTER

THREE

INDICES AND TABLES

- genindex
- search