

Repustate CLI

Goal: Create a CLI to the Repustate Try that allows people to try out the Try without any registration needed.

Usage:

rcli [action] [-flag flagValue]

Possible actions:

register

- Takes no arguments. Prompts user to enter a username. Makes a request to <https://try.repustate.com/demo/register/> and POSTs the value of username.
- returns 200 for success. On success, create a file `~/.repustate` and write their username in there
- returns something other than 200 for fail. Output the failure message to the user.

index

- Requires one of two arguments: (`—text/-t` and then a text string or `—filename/-f` and a filename) Optional flag `—lang/-l` for language.
- POSTs to <https://try.repustate.com/demo/index/> and sends username from `~/.repustate`, plus the text from `-t` OR the contents of the file specified by `-f`
- On Success returns 200 and displays message “Document successfully indexed”
- On any code other than 400, display error message

search

- Requires `—query/-q` and a query string. The query string should use autocomplete/ auto-suggestions based on a provided list of possible valid query values. Sends the query to <https://try.repustate.com/demo/search/> as a GET request includes the username from `~/.repustate` in the query as well
- Returns 200 on success along with a list of results, which might be empty. The results will just be text blocks and can be printed to stdout one after another with a dashed line in between results.
- Returns non-200 on error and show the error message.

Example usage:

```
$shell repustate-cli register
```

“Please enter a username and hit enter”

```
myusername <enter>
```

Congratulations! You’re registered and are now ready to user Repustate’s semantic search demo

```
$shell repustate-cli index --text “I live in Canada”
```

Document successfully indexed

```
$shell repustate-cli index -f /path/to/some_more_text_in_a_file.txt -l ar
```

Document successfully indexed

```
$shell repustate-cli search Person.pro_athlete
```

Found 3 results:

— — —

Here is result number 1

— — —

Here is result number 2

— — —

Here is result number 3

General notes:

1. Show success messages in green, failures in red.
2. Will cross compile binaries to macOS, Windows, Linux
3. Will be open source, so code quality must be good