

About

A simple Python application program for the Yelp database.

How to use

Make sure to pip install pypyodbc, pip install pandas, and pip install numpy first.

(I tried to include them in the zip file but it was too big and coursys won't let me submit :()

Start the program with `python a7.py`

Log in

Upon running the program, you will be asked to enter your user id.

```
PS U:\CMPT354\Assignments> & C:/progra~1/Python311/python.exe u:/CMPT354/Assignments/a7.py
Enter user id: █
```

After entering a valid user id, you will see 5 options: search business, search user, make friends, write a review, and log out. Enter a number from 1-5 that corresponds to the functionality you would like to utilize.

```
Enter user id: __hr-GtD9qh8_sYSGTRqXw
Hello Colette
1. Search business
2. Search user
3. Make friends :)
4. Write a review
5. Log out and exit
What would you like to do (enter a number 1 - 5 that corresponds to the functionalities): █
```

1. Search business

You will be asked to enter the minimum/maximum number of stars, city, and name of the business. You may leave any or all of it blank to include all stars/cities/businesses in your search.

```

What would you like to do (enter a number 1 - 5 that corresponds to the functionalities): 1
Enter the minimum number of stars (1-5) (leave blank if you don't wish to have this search criteria): 3
Enter the maximum number of stars (1-5) (leave blank if you don't wish to have this search criteria):
Enter the city (leave blank if you don't wish to have this search criteria): edmonton
Enter the name or part of the name of the business (leave blank if you don't wish to have this search criteria): hotel
-----Results-----

```

	business_id	name	address	city	stars
0	zgXW5Pdk08NqoH3uTAltKg	Campus Tower Suite Hotel	11145 87 Avenue	Edmonton	4.0
1	02cfPvIL0fY82RtEte3i7Q	Chateau Lacombe Hotel	10111 Bellamy Hill	Edmonton	3.0
2	hzkbve1w4WaqMbQitvbP5w	Coast Edmonton Plaza Hotel by APA	10155 105 St	Edmonton	3.0
3	kc7rpirA7rFumb9LpaqWUQ	Crash Hotel	10266 103 Street NW	Edmonton	3.5
4	bsDQPkHQ_cy7D6r2Sr-4ng	Delta Hotels by Marriott Edmonton Centre Suites	10222 102 Street	Edmonton	3.5
5	v4d_65k_VTQ0nrNy8x2CoQ	Delta Hotels by Marriott Edmonton South Conference Centre	4404 Gateway Boulevard NW	Edmonton	3.5
6	qKd8cdNFj6TJAK4AtVf8cA	DoubleTree by Hilton Hotel West Edmonton	16615 109th Avenue North West	Edmonton	4.5

2. Search user

You will be asked to enter the user name, and whether the user is useful/funny/cool. You may leave any or all blank to include all options in your search.

```

What would you like to do (enter a number 1 - 5 that corresponds to the functionalities): 2
Enter the user name (leave blank if you don't wish to have this search criteria): cole
Is user useful (yes/no) (leave blank if you don't wish to have this search criteria): yes
Is user funny (yes/no) (leave blank if you don't wish to have this search criteria):
Is user cool (yes/no) (leave blank if you don't wish to have this search criteria):
-----Results-----

```

	user_id	name	useful	funny	cool	yelping since
0	7Fx3aj297EfuJrLrviXp9Q	Cole	yes	no	no	2018-12-22 18:27:33
1	7qdtYg_wz8gor3smZ7QV1A	Cole	yes	no	no	2019-12-25 22:53:06
2	d3PhCtoJIlHdGuXS8iwXzA	Cole	yes	no	no	2019-07-24 16:48:43
3	fTUA5UpkmsehycAz1_AYg	Cole	yes	no	no	2015-01-06 20:37:44
4	xpoNr8rRKTrzBEKh58S4Xg	Coleman	yes	yes	yes	2009-12-21 23:54:22
5	XTJNmO2wz9ZbIBlIG7sLjw	Nicole	yes	no	no	2015-04-12 06:05:31

3. Make friends

Simply enter a valid user id to become friends with that user.

4. Write a review

You will be asked to enter the business id and the number of stars you would like to give this business.

```

What would you like to do (enter a number 1 - 5 that corresponds to the functionalities): 4
Enter the business id of the business you would like to write a review of:
How many stars would you like to give this business (1-5): █

```

5. Log out

Select this option to exit the application program.