

Knowledge cards generator:

Environment:

Python 3.7 or Anaconda environment

Note:

If you only have anaconda, you probably need to type **conda activate base** in your cmd before you run any script.

Package install:

1. python's wikipedia api: \$ pip install wikipedia
2. BeautifulSoup :\$ pip install beautifulsoup4;
3. Pandas: \$ pip install pandas;

Example:

run WikiSearch.py to do the general keyword search. The system will provide several related keywords:

```
(base) E:\STUDY\CU\COMP5118\Project\fixedPyFiles>python WikiSearch.py
Enter your keywordcdpr
['CD Projekt', 'List of most expensive video games to develop', 'Cyberpunk
Please select your main keyword
```

Choose one keyword from the list as the subject of the knowledge cards, copy and paste into the cmd:

```
Please select your main keywordCD Projekt'
[  Year                               Title
0  2007                               The Witcher
1  2011      The Witcher 2: Assassins of Kings      Linux, macOS,
2  2014      The Witcher Adventure Game      Android, i
3  2015      The Witcher Battle Arena
4  2015      The Witcher 3: Wild Hunt      Microsoft Windows, Pl
5  2015  The Witcher 3: Wild Hunt - Hearts of Stone      Microsoft Windows, Pl
6  2016  The Witcher 3: Wild Hunt - Blood and Wine      Microsoft Windows, Pl
7  2018      Gwent: The Witcher Card Game      Microsoft Windows, Pl
8  2018      Thronebreaker: The Witcher Tales      Microsoft Windows, Pl
9  2020      Cyberpunk 2077      Microsoft Windows, Pl
Enter selected attributes based on the table
```

Then select the attributes from the print table:

```
Please select your main keywordCD Projekt'
[  Year                               Title
0  2007                               The Witcher
1  2011      The Witcher 2: Assassins of Kings
2  2014      The Witcher Adventure Game
3  2015      The Witcher Battle Arena
4  2015      The Witcher 3: Wild Hunt      Micr
5  2015  The Witcher 3: Wild Hunt - Hearts of Stone      Micr
6  2016  The Witcher 3: Wild Hunt - Blood and Wine      Micr
7  2018      Gwent: The Witcher Card Game      Micr
8  2018      Thronebreaker: The Witcher Tales      Micr
9  2020      Cyberpunk 2077      Micr
Enter selected attributes based on the tableYear,Title
```

At this point, you will get a CSV file called rawdata.csv that looks like this:

A	B
Year	Title
2007	The Witcher
2011	The Witcher 2: Assassins of Kings
2014	The Witcher Adventure Game
2015	The Witcher Battle Arena
2015	The Witcher 3: Wild Hunt
2015	The Witcher 3: Wild Hunt 欵?Hearts of Stone
2016	The Witcher 3: Wild Hunt 欵?Blood and Wine
2018	Gwent: The Witcher Card Game
2018	Thronebreaker: The Witcher Tales
2020	Cyberpunk 2077

Next, make sure you closed the rawdata.csv and you can run the UserURL.py to add more detail to this file. It can be the links to wiki pages or links to other web pages:

```
(base) E:\STUDY\CU\COMP5118\Project\fixedPyFiles>python UserURL.py
Enter your urlhttps://en.wikipedia.org/wiki/CD_Projekt
[  Year          Title
0  2007          The Witcher
1  2011          The Witcher 2: Assassins of Kings      Linux, mac
2  2014          The Witcher Adventure Game          Android
3  2015          The Witcher Battle Arena
4  2015          The Witcher 3: Wild Hunt      Microsoft Windows,
5  2015  The Witcher 3: Wild Hunt - Hearts of Stone  Microsoft Windows,
6  2016  The Witcher 3: Wild Hunt - Blood and Wine  Microsoft Windows,
7  2018          Gwent: The Witcher Card Game      Microsoft Windows,
8  2018          Thronebreaker: The Witcher Tales  Microsoft Windows,
9  2020          Cyberpunk 2077      Microsoft Windows,
Enter selected attributes based on the table_
```

Then select the attributes from the print table:

```
thon UserURL.py
ekt
Platform(s)
macOS, Microsoft Windows
Linux, macOS, Microsoft Windows, Xbox 360
Android, iOS, macOS, Microsoft Windows
Android, iOS
Microsoft Windows, PlayStation 4, Xbox One, Ni...
Microsoft Windows, PlayStation 4, Xbox One, Ni...
Microsoft Windows, PlayStation 4, Xbox One, Ni...
Microsoft Windows, PlayStation 4, Xbox One, iO... Spinof
Microsoft Windows, PlayStation 4, Xbox One, Ni... Standal
Microsoft Windows, PlayStation 4, Stadia, Xbox...
/ \
7  2018          Gwent: The Witcher Card Game MIC
8  2018          Thronebreaker: The Witcher Tales Micr
9  2020          Cyberpunk 2077      Micr
Enter selected attributes based on the tablePlatform(s)
```

At this point, your rawdata.csv will be looked like this:

A	B	C	D
Year	Title	Platform(s)	
2007	The Witcher	macOS, Microsoft Windows	
2011	The Witcher 2: Assassins of Kings	Linux, macOS, Microsoft Windows, Xbox 360	
2014	The Witcher Adventure Game	Android, iOS, macOS, Microsoft Windows	
2015	The Witcher Battle Arena	Android, iOS	
2015	The Witcher 3: Wild Hunt	Microsoft Windows, PlayStation 4, Xbox One, Nintendo Switch	
2015	The Witcher 3: Wild Hunt - Hearts of Stone	Microsoft Windows, PlayStation 4, Xbox One, Nintendo Switch	
2016	The Witcher 3: Wild Hunt - Blood and Wine	Microsoft Windows, PlayStation 4, Xbox One, Nintendo Switch	
2018	Gwent: The Witcher Card Game	Microsoft Windows, PlayStation 4, Xbox One, iOS, Android	
2018	Thronebreaker: The Witcher Tales	Microsoft Windows, PlayStation 4, Xbox One, Nintendo Switch	
2020	Cyberpunk 2077	Microsoft Windows, PlayStation 4, Stadia, Xbox One, PlayStation 5	

Finally, run Generator.py to get the output file:

```
(base) E:\STUDY\CU\COMP5118\Project\fixedPyFiles>python Generator.py
Year      Title      Platform(s)
0 2007      The Witcher      macOS, Microsoft Windows
1 2011      The Witcher 2: Assassins of Kings      Linux, macOS, Microsoft Windows, Xbox 360
2 2014      The Witcher Adventure Game      Android, iOS, macOS, Microsoft Windows
3 2015      The Witcher Battle Arena      Android, iOS
4 2015      The Witcher 3: Wild Hunt      Microsoft Windows, PlayStation 4, Xbox One, Ni...
5 2015      The Witcher 3: Wild Hunt - Hearts of Stone      Microsoft Windows, PlayStation 4, Xbox One, Ni...
6 2016      The Witcher 3: Wild Hunt - Blood and Wine      Microsoft Windows, PlayStation 4, Xbox One, Ni...
7 2018      Gwent: The Witcher Card Game      Microsoft Windows, PlayStation 4, Xbox One, iO...
8 2018      Thronebreaker: The Witcher Tales      Microsoft Windows, PlayStation 4, Xbox One, Ni...
9 2020      Cyberpunk 2077      Microsoft Windows, PlayStation 4, Stadia, Xbox...
Enter attributes you want to combine_
```

Enter the attributes you want to combine and set as card details:

```
7 2018      Gwent: The Witcher Card Game      M
8 2018      Thronebreaker: The Witcher Tales      M
9 2020      Cyberpunk 2077      M
Enter attributes you want to combineYear,Platform(s)
```

The system will generate an output.csv file for you:

A	B	C	D	E	F
Title	CardDetail				
The Witcher	2007/macOS, Microsoft Windows				
The Witcher 2: Assassins of Kings	2011/Linux, macOS, Microsoft Windows, Xbox 360				
The Witcher Adventure Game	2014/Android, iOS, macOS, Microsoft Windows				
The Witcher Battle Arena	2015/Android, iOS				
The Witcher 3: Wild Hunt	2015/Microsoft Windows, PlayStation 4, Xbox One, Nintendo Switch				
The Witcher 3: Wild Hunt - Hearts of Stone	2015/Microsoft Windows, PlayStation 4, Xbox One, Nintendo Switch				
The Witcher 3: Wild Hunt - Blood and Wine	2016/Microsoft Windows, PlayStation 4, Xbox One, Nintendo Switch				
Gwent: The Witcher Card Game	2018/Microsoft Windows, PlayStation 4, Xbox One, iOS, Android				
Thronebreaker: The Witcher Tales	2018/Microsoft Windows, PlayStation 4, Xbox One, Nintendo Switch				
Cyberpunk 2077	2020/Microsoft Windows, PlayStation 4, Stadia, Xbox One, PlayStation 5				

After getting this file, you can easily load it on Quizlet to get the flashcards:

CANCEL IMPORT

Import your data. Copy and Paste your data here (from Word, Excel, Google Docs, etc.)

The Witcher 3: Wild Hunt2015/Microsoft Windows, PlayStation 4, Xbox One, Nintendo Switch, PlayStation 5, Xbox Series X/S

The Witcher 3: Wild Hunt 3 Hearts of Stone2015/Microsoft Windows, PlayStation 4, Xbox One, Nintendo Switch, PlayStation 5, Xbox Series X/S

The Witcher 3: Wild Hunt 3 Blood and Wine2016/Microsoft Windows, PlayStation 4, Xbox One, Nintendo Switch, PlayStation 5, Xbox Series X/S

Gwent: The Witcher Card Game2018/Microsoft Windows, PlayStation 4, Xbox One, iOS, Android

Thronebreaker: The Witcher Tales2018/Microsoft Windows, PlayStation 4, Xbox One, Nintendo Switch, iOS, Android

Cyberpunk 20772020/Microsoft Windows, PlayStation 4, Stadia, Xbox One, PlayStation 5, Xbox Series X/S

Between term and definition

☒ Tab

☐ Comma

☐ -

CUSTOM

Between cards

☒ New line

☐ Semicolon

☐ \n\n

CUSTOM

Import

Preview 10 cards

1	The Witcher	2007/macOS, Microsoft Windows
	TERM	ENGLISH
2	The Witcher 2: Assassins of Kings	2011/Linux, macOS, Microsoft Windows, Xbox 360
	TERM	ENGLISH
3	The Witcher Adventure Game	2014/Android, iOS, macOS, Microsoft Windows
	TERM	ENGLISH