

CLI INTERFACE

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Way to use it:

In this project I have used python . libraries like typer ,pandas,json to complete the functionalities of the assignment.

To use the functionalities .

```
python akash.py check-version <csv_filename> <packagename>@<version>
```

example : `python akash.py check-version test.csv axios@1.1.2`

1) check-version

- a. it will take the parameters
 - i. CSV file
 - ii. Package name
 - iii. Version (threshold)
 - iv. The it will return the csv file which will have current package version
 - v. And true or false according to satisfaction of the version provided by the user.

2) Modify :

- a. This function modify the given csv url into format that version.py file get the response and can fetch the version of the package.

3) Validate:

- a. This function validate the version if the package version is above the threshold provided by the user

4) It contains version.py file

a. Which is for fetching the version of the give package

Screen shot of the output :

The screenshot shows the Visual Studio Code editor with the file explorer on the left displaying the project structure. The main editor window shows the `version.py` file with the following code:

```
40
41 def modify(a:str):
42     a= a.replace("https://github.com","https://raw.githubusercontent.com")
43     a = a + "/main/package-lock.json"
44     return a
45
46 def validate(a:list,b:str):
47     b= b.replace('^','')
48     fetched = b.split('.')
49     if(a[0]>fetched[0]):
50         return True
51     elif(a[0]<fetched[0]):
52         return False
53     elif(a[0]==fetched[0]):
```

The terminal window at the bottom shows the command `python akash.py check-version test.csv axios` being executed, with the output `s@1.1.2`.

This screenshot shows the same VS Code editor setup, but the terminal window displays more detailed output from the command `python akash.py check-version test.csv axios`:

```
PS C:\Users\Hp\github-classroom\dyte-submissions\dyte-vit-2022-shinde-ak> python akash.py check-version test.csv axios
s@1.1.2
response from server is :
200
<class 'dict'>
response from server is :
200
<class 'dict'>
sucessfully fetched and data stored in output.csv file...
PS C:\Users\Hp\github-classroom\dyte-submissions\dyte-vit-2022-shinde-ak>
```

The output indicates that the version check was successful and the data was stored in the `output.csv` file.

