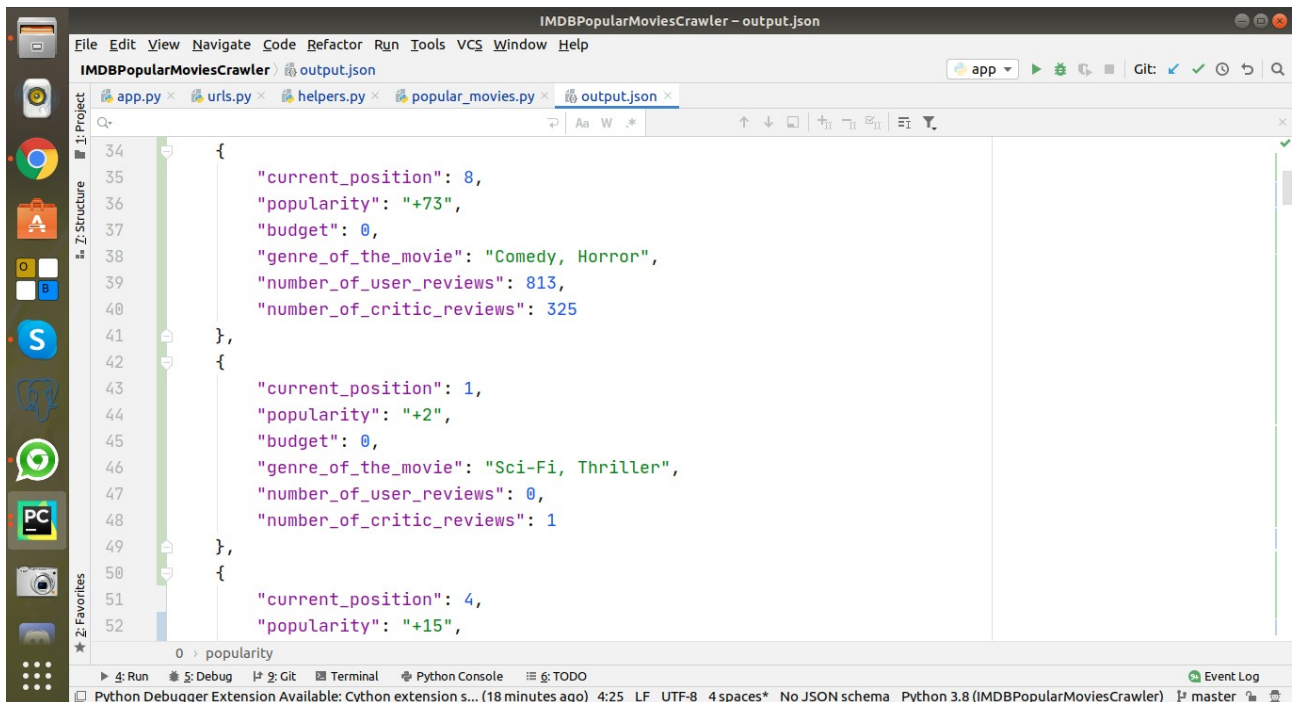
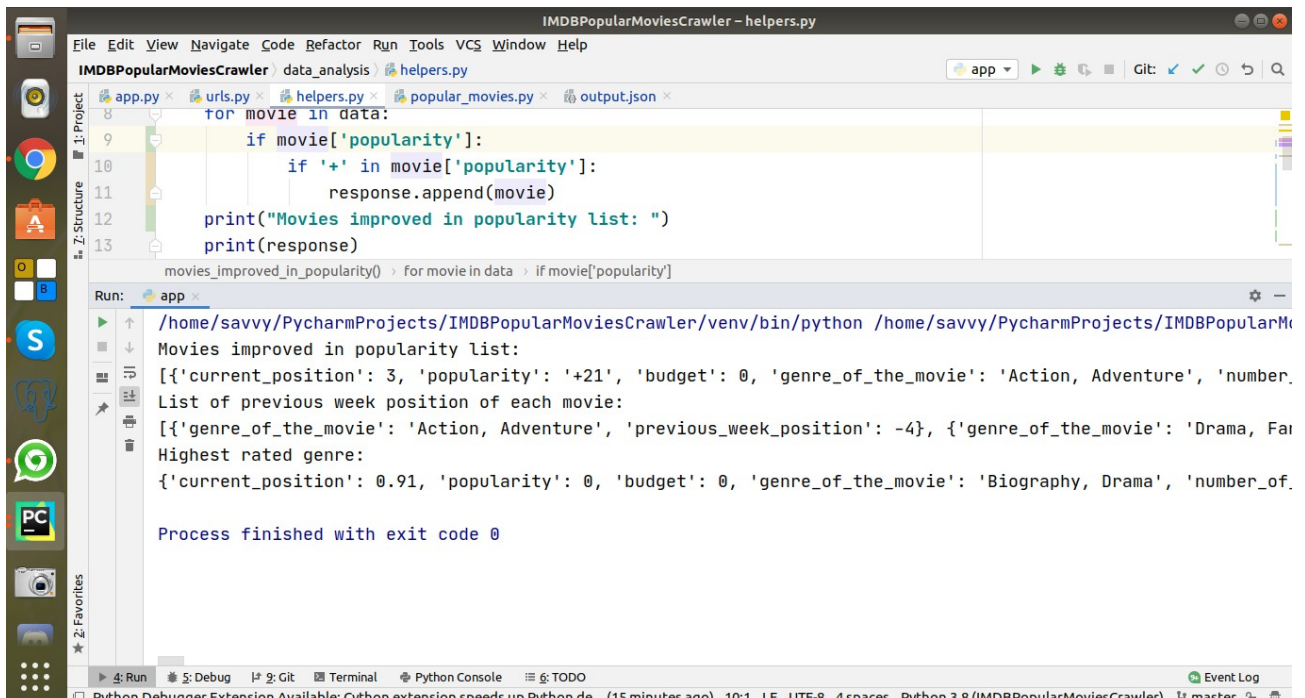


Project Documents

1- Screen-Shots of the outputs:



```
34 {
35     "current_position": 8,
36     "popularity": "+73",
37     "budget": 0,
38     "genre_of_the_movie": "Comedy, Horror",
39     "number_of_user_reviews": 813,
40     "number_of_critic_reviews": 325
41 },
42 {
43     "current_position": 1,
44     "popularity": "+2",
45     "budget": 0,
46     "genre_of_the_movie": "Sci-Fi, Thriller",
47     "number_of_user_reviews": 0,
48     "number_of_critic_reviews": 1
49 },
50 {
51     "current_position": 4,
52     "popularity": "+15",
```



```
8 for movie in data:
9     if movie['popularity']:
10         if '+' in movie['popularity']:
11             response.append(movie)
12     print("Movies improved in popularity list: ")
13     print(response)
```

Run: app x

```
/home/savvy/PycharmProjects/IMDBPopularMoviesCrawler/venv/bin/python /home/savvy/PycharmProjects/IMDBPopularM
Movies improved in popularity list:
[{'current_position': 3, 'popularity': '+21', 'budget': 0, 'genre_of_the_movie': 'Action, Adventure', 'number.
List of previous week position of each movie:
[{'genre_of_the_movie': 'Action, Adventure', 'previous_week_position': -4}, {'genre_of_the_movie': 'Drama, Fai
Highest rated genre:
{'current_position': 0.91, 'popularity': 0, 'budget': 0, 'genre_of_the_movie': 'Biography, Drama', 'number_of.

Process finished with exit code 0
```

2- The technology stack and why you chose it:

I have used following technology stack and tools:

Programming Language: Python

Package: Requests, BeautifulSoup

IDE: PyCharm

I have used these packages for current assignment to scrape the data but there there is also a other framework **Scrapy**. Due to assignment time deadlines I have submitted it and I am also converting it into Scrapy and will send you soon.

3- Hours it took to complete the task

I have done this on weekend almost 20 Hours.

4- Any other improvements you would make if you had more time:

Although, I have used all best practices of **PEP8** for quality code but If I will have more time then will do code refactoring to further optimize it regarding time and space.