

Backend Development:

Used a CSV file for storage and get unique values

Output:

Initial Data with some repeated keyword(to test even the keyword is same will it give unique values)

Repeated Keywords: test1, test2 and test3

```
data.csv > data
1 link, max_val_time, keyword, current_time, final_link, final_time
2 https://abcdefghijklmnopqrstuvwxyz/asd/qwert.com, 30, abcd1, 10:00,,
3 https://example.com/1,30,test1,09:00,,
4 https://example.com/2,45,test2,10:15,,
5 https://example.com/3,60,test3,11:30,,
6 https://example.com/4,15,test1,12:45,,
7 https://example.com/5,90,test4,13:00,,
8 https://example.com/6,120,test5,14:15,,
9 https://example.com/7,30,test2,15:30,,
10 https://example.com/8,45,test6,16:45,,
11 https://example.com/9,60,test7,17:00,,
12 https://example.com/10,15,test8,18:15,,
13 https://example.com/11,90,test9,19:30,,
14 https://example.com/12,120,test10,20:45,,
15 https://example.com/13,30,test3,21:00,,
16 https://example.com/14,45,test11,22:15,,
17 https://example.com/15,60,test12,23:30,,
18
```

Final Data with no repetition in the final(shorten) link

```
data.csv > data
1 link,max_val_time,keyword,current_time,final_link,final_time
2 https://abcdefghijklmnopqrstuvwxyz/asd/qwert.com,30,abcd1,10:00,https://host2217020/abcd1,10:30
3 https://example.com/1,30,test1,09:00,https://host2217020/test1,09:30
4 https://example.com/2,45,test2,10:15,https://host2217020/test2,11:00
5 https://example.com/3,60,test3,11:30,https://host2217020/test3,12:30
6 https://example.com/4,15,test11,12:45,https://host2217020/test11,13:00
7 https://example.com/5,90,test4,13:00,https://host2217020/test4,14:30
8 https://example.com/6,120,test5,14:15,https://host2217020/test5,16:15
9 https://example.com/7,30,test21,15:30,https://host2217020/test21,16:00
10 https://example.com/8,45,test6,16:45,https://host2217020/test6,17:30
11 https://example.com/9,60,test7,17:00,https://host2217020/test7,18:00
12 https://example.com/10,15,test8,18:15,https://host2217020/test8,18:30
13 https://example.com/11,90,test9,19:30,https://host2217020/test9,21:00
14 https://example.com/12,120,test10,20:45,https://host2217020/test10,22:45
15 https://example.com/13,30,test31,21:00,https://host2217020/test31,21:30
16 https://example.com/14,45,test111,22:15,https://host2217020/test111,23:00
17 https://example.com/15,60,test12,23:30,https://host2217020/test12,00:30
18
```