

# Episode4-code

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## KMP Code

### Generation of a test case

1. `./tkmp > testkmp1.txt`
2. `./tkmp > testkmp2.txt`
3. `./tkmp > testkmp3.txt`

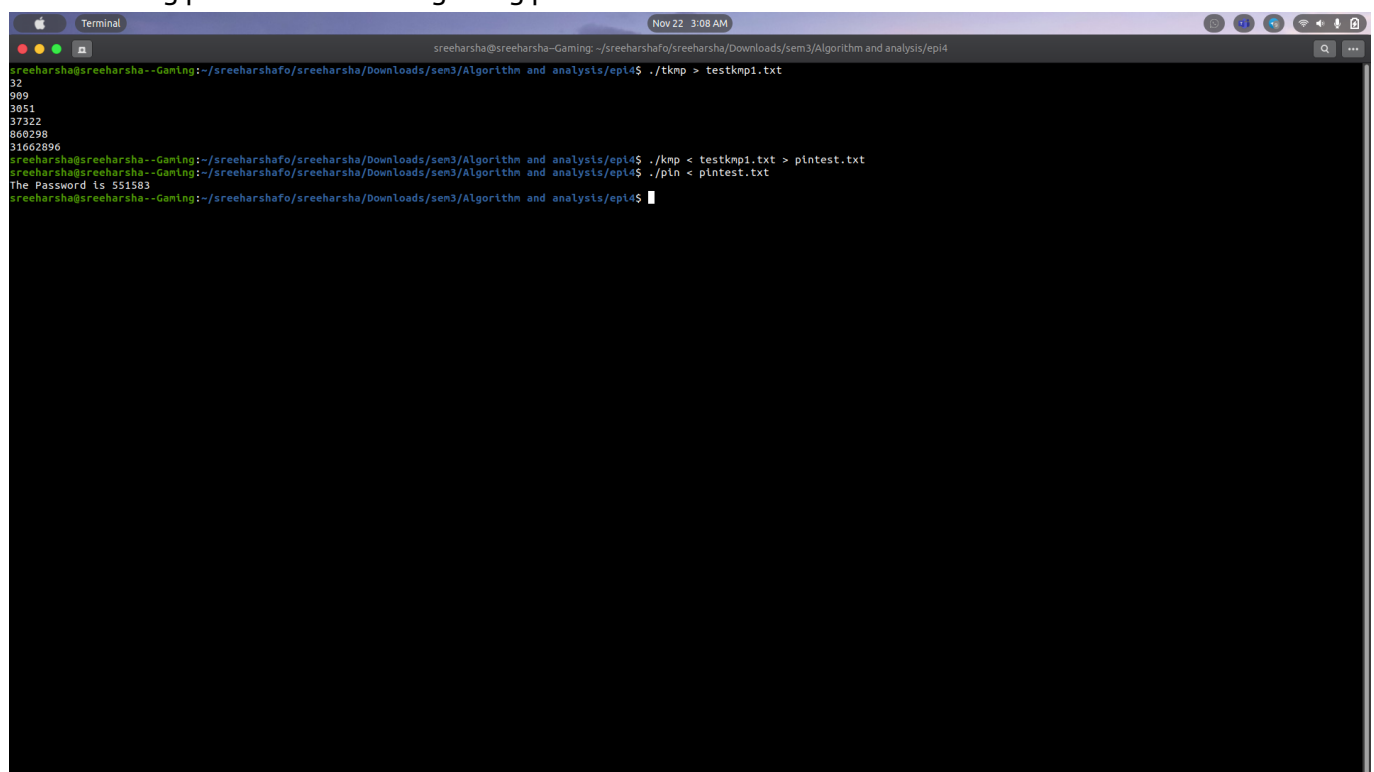
### Running the testcase to find matches of word jeckyll

- `./kmp < testkmp3.txt > pintest.txt`
- the output will redirect to pintest.txt printed the output in stderr too. to know the values,

### Finding the password

- `./pin < pintest.txt`

the following process is done for getting password.



```
sreeharsha@sreeharsha--Gaming: ~/sreeharshafo/sreeharsha/Downloads/sem3/Algorithm and analysis/epi4
sreeharsha@sreeharsha--Gaming:~/sreeharshafo/sreeharsha/Downloads/sem3/Algorithm and analysis/epi4$ ./tkmp > testkmp1.txt
32
989
2851
37322
868298
31662896
sreeharsha@sreeharsha--Gaming:~/sreeharshafo/sreeharsha/Downloads/sem3/Algorithm and analysis/epi4$ ./kmp < testkmp1.txt > pintest.txt
sreeharsha@sreeharsha--Gaming:~/sreeharshafo/sreeharsha/Downloads/sem3/Algorithm and analysis/epi4$ ./pin < pintest.txt
The Password is 551583
sreeharsha@sreeharsha--Gaming:~/sreeharshafo/sreeharsha/Downloads/sem3/Algorithm and analysis/epi4$
```