

Central university of Haryana

Department of computer science & engineering under SOET



python lab (BT CS 526) Assignment-2

Submitted by :-

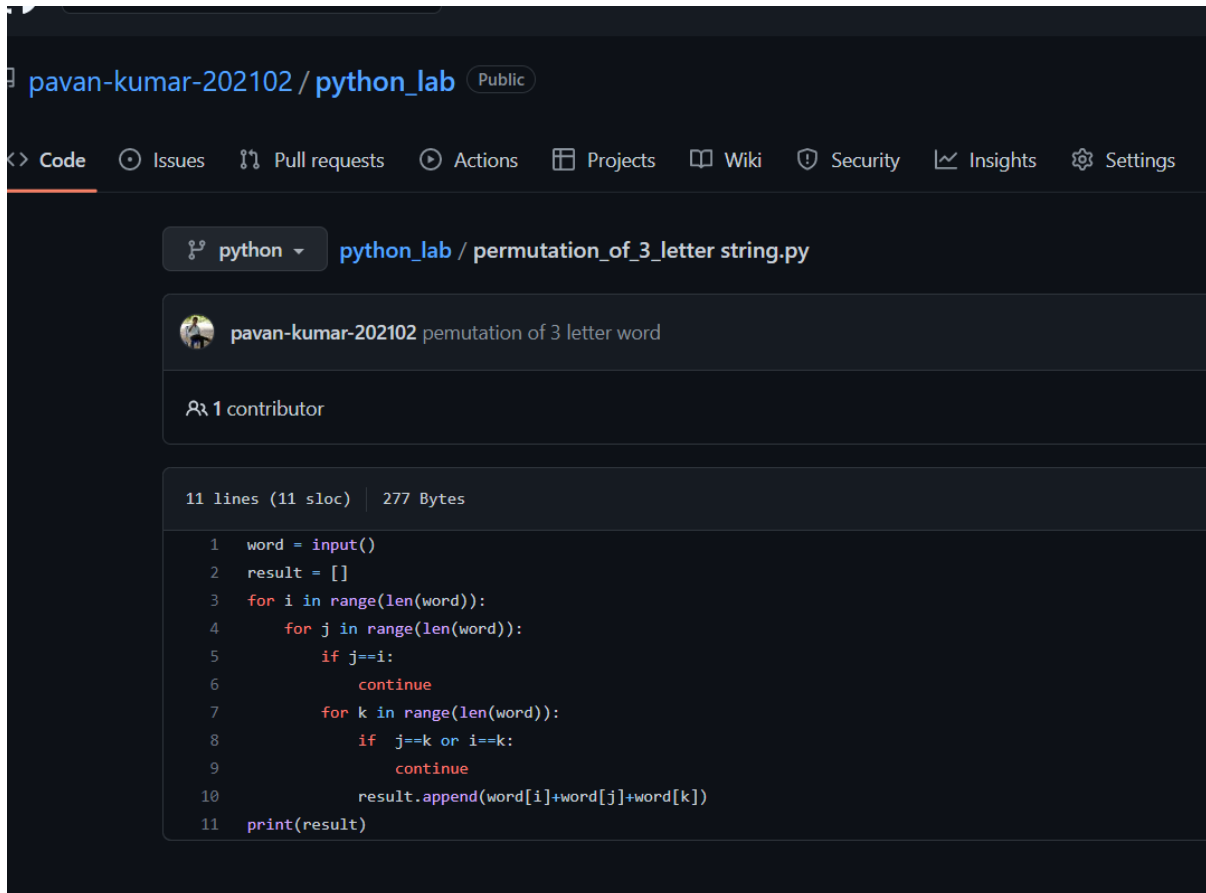
Ponnaganti pavan kumar

ROLL NO: 202102

submitted to :-

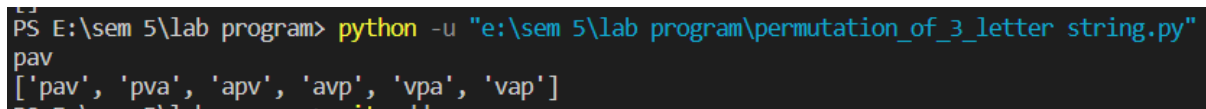
anant rajee bara

Statement: write a function that returns all the permutations of the given string of length 3



```
11 lines (11 sloc) | 277 Bytes
1 word = input()
2 result = []
3 for i in range(len(word)):
4     for j in range(len(word)):
5         if j==i:
6             continue
7         for k in range(len(word)):
8             if j==k or i==k:
9                 continue
10            result.append(word[i]+word[j]+word[k])
11 print(result)
```

Output:



```
PS E:\sem 5\lab program> python -u "e:\sem 5\lab program\permutation_of_3_letter string.py"
pav
['pav', 'pva', 'apv', 'avp', 'vpa', 'vap']
```

Github link:

https://github.com/pavan-kumar-202102/python_lab/blob/python/permutation_of_3_letter%20string.py