

Home Work 4

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1 Section: Word Frequencies

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[ ]: d = dict()

with open('./bee-movie.txt', mode='r') as file:
    script = file.read()

script = script.upper()

remove = '[]();,.\n-_=!@#%&*?/1234567890"'
for c in remove:
    script = script.replace(c, ' ')

words = script.split()

for word in words:
    if word in d:
        d[word] += 1
    else:
        d[word] = 1

sort = sorted(d.items(), key=lambda x:x[1])
print('Sorted Top 10 Word Frequencies in Descending Order')
for count in range(1,11):
    print(f'{sort[-count][0]:<15}: {sort[-count][1]:>5}')
```

Sorted Top 10 Word Frequencies in Descending Order

BARRY	:	611
THE	:	603
A	:	393
AND	:	329
TO	:	311
YOU	:	276
VANESSA	:	246
I	:	242

IT : 208
IS : 206

2 Section: Shopping List

```
[ ]: shopping_list = []

print("Enter your items for the shopping list. Type 'FINISH' to end the list.")

while True:
    count = 1
    word = input(f"Enter item {count} for your shopping list: ")
    if word not in ['Finish', 'FINISH', 'finish']:
        shopping_list.append(word)
        count += 1
    else:
        break

print(f'Your Shopping List: {shopping_list}')

print('\nEnter an item name to check its presence in the shopping list: ')
word = input()
if word in shopping_list:
    print(f'{word} is in your shopping list!')
else:
    print(f'{word} is NOT in your shopping list :(')
```

Enter your items for the shopping list. Type 'FINISH' to end the list.

Your Shopping List: ['Apple', 'Milk', 'Banana', 'Oreos']

Enter an item name to check its presence in the shopping list:

Oreos is in your shopping list!