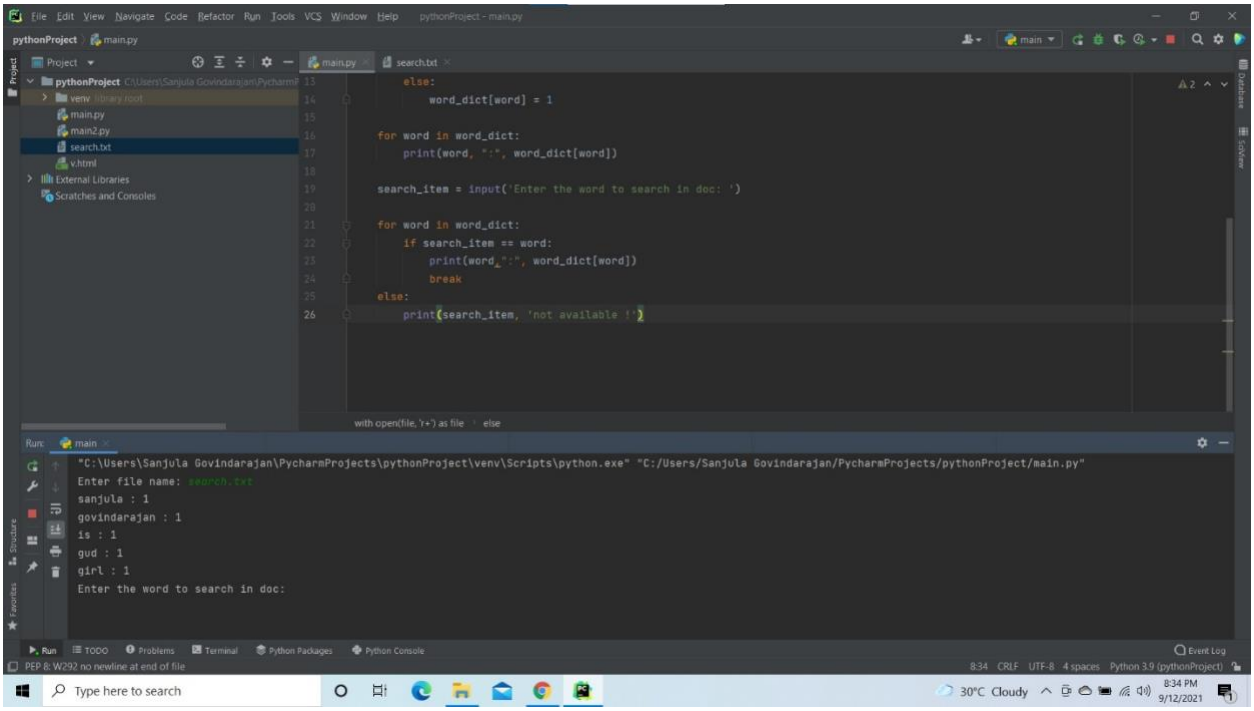
Sanjula. G 20370050

M. Sc computer science

Network lab

**1.No. Of times the word occur**




```
file = input('Enter file name: ')


with open(file, 'r+') as file:
    contents = file.read().lower()
    contents_list = contents.split()
    word_dict = {}


    for word in contents_list:
        if word[-1] == '.':
            word = word[:-1]
        if word in word_dict:
```

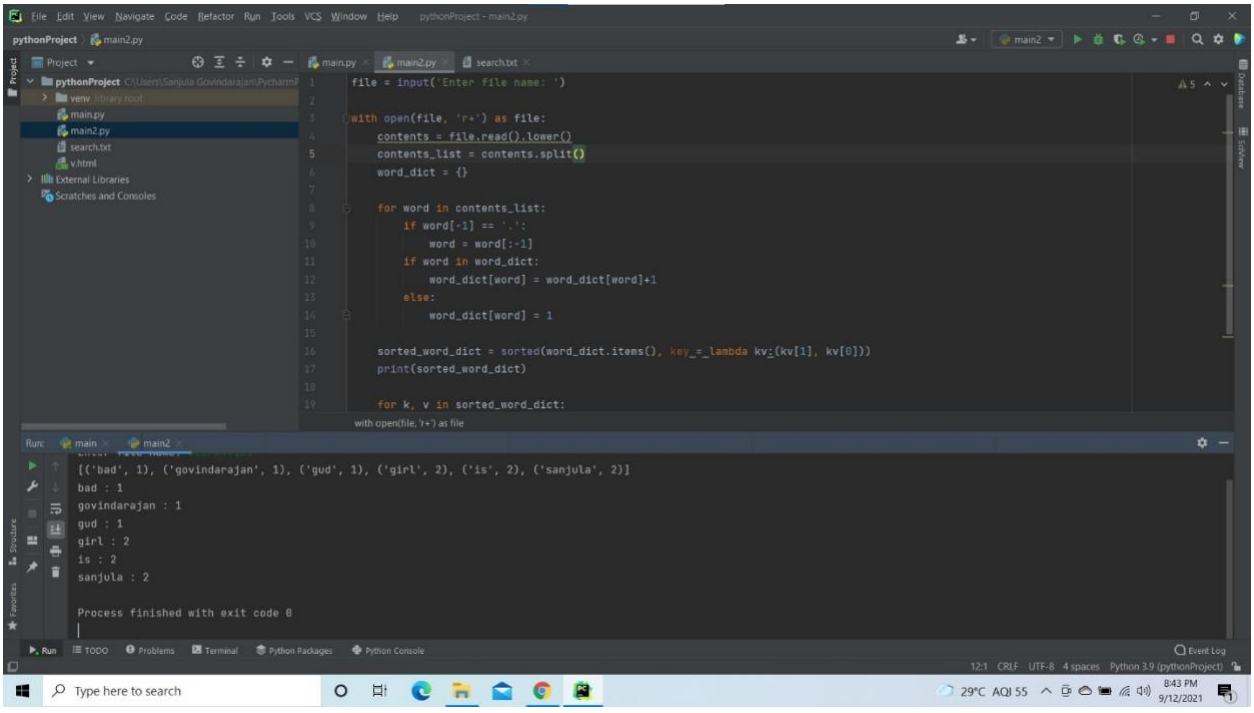
```
        word_dict[word] = word_dict[word]+1
    else:
        word_dict[word] = 1


for word in word_dict:
    print(word, ":", word_dict[word])


search_item = input('Enter the word to search in doc: ')


for word in word_dict:
    if search_item == word:
        print(word,":", word_dict[word])
        break
else:
    print(search_item, 'not available !')
```

2. **All words in document without repetition listed in asc/desc along with no. Of occurred**



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        if word in word_dict:
            word_dict[word] = word_dict[word]+1
        else:
            word_dict[word] = 1

    sorted_word_dict = sorted(word_dict.items(), key = lambda kv:(kv[1], kv[0]))
    print(sorted_word_dict)

    for k, v in sorted_word_dict:
        print(k, ':', v)
```