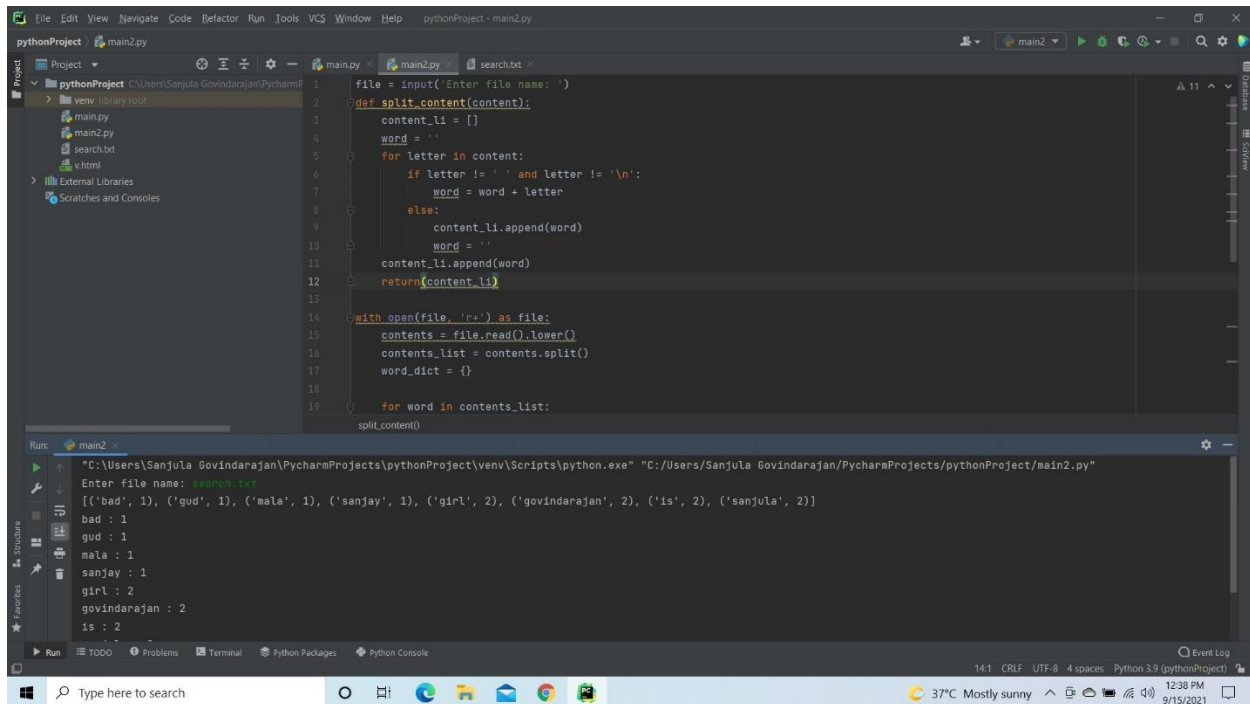


Sanjula.G

20370050

M.SC CS

COUNT THE WORDS IN A FILE



```
1 file = input('Enter file name: ')
2 def split_content(content):
3     content_li = []
4     word = ''
5     for letter in content:
6         if letter != ' ' and letter != '\n':
7             word = word + letter
8         else:
9             content_li.append(word)
10            word = ''
11    content_li.append(word)
12    return(content_li)
13
14 with open(file, 'r+') as file:
15     contents = file.read().lower()
16     contents_list = contents.split()
17     word_dict = {}
18
19     for word in contents_list:
20         split_content()
```

Run: main2

```
"C:\Users\Sanjula Govindarajan\PycharmProjects\pythonProject\venv\Scripts\python.exe" "C:/Users/Sanjula Govindarajan/PycharmProjects/pythonProject/main2.py"
Enter file name: search.txt
[('bad', 1), ('gud', 1), ('mala', 1), ('sanjay', 1), ('girl', 2), ('govindarajan', 2), ('is', 2), ('sanjula', 2)]
bad : 1
gud : 1
mala : 1
sanjay : 1
girl : 2
govindarajan : 2
is : 2
```

```
def split_content(content):

    content_li = []

    word = ""

    for letter in content:

        if letter != ' ' and letter != '\n':

            word = word + letter

        else:

            content_li.append(word)

            word = ""

    content_li.append(word)

    return(content_li)

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

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)
```