In [60]:
```
import os
```

In [61]:
```
path = "C:\spark\MCA\Semester1\E3_NLP\input\lab_e2"
```

In [62]:
```
file_paths = [os.path.join(path, fn) for fn in next(os.walk(path))[2]]
print(file_paths)
```

```
['C:\\spark\\MCA\\Semester1\\E3_NLP\\input\\lab_e2\\5G_enhanced_connectivity.txt', '
C:\\spark\\MCA\\Semester1\\E3_NLP\\input\\lab_e2\\Artificial_Intelligence.txt', 'C:\\sp
ark\\MCA\\Semester1\\E3_NLP\\input\\lab_e2\\Extended_Reality_AR_VR.txt', 'C:\\spark\\MC
A\\Semester1\\E3_NLP\\input\\lab_e2\\Robotics.txt', 'C:\\spark\\MCA\\Semester1\\E3_NL
P\\input\\lab_e2\\The_As-A-Service_Revolution.txt']
```

In [63]:
```
list_texts = []
for i in range(len(file_paths)):
    with open(file_paths[i],'rb') as f:
        list_texts.append(f.read().lower())
```

In [64]:
```
search_str = input().encode()
```

In [65]:
```
print(search_str)
```

```
b'tech'
```

In [66]:
```
freq = []
for i in range(len(list_texts)):
    c = list_texts[i].count(search_str)
    freq.append(c)
```

In [67]:
```
freq
```

Out[67]:
```
[19, 7, 9, 8, 14]
```

In [68]:
```
list1, list2, list3 = (list(t) for t in zip(*sorted(zip(freq, list_texts,
file_paths),reverse=True)))
```

In [69]:
```
list1
```

Out[69]:
```
[19, 14, 9, 8, 7]
```

In [70]:
```
list3
```

Out[70]:
```
['C:\\spark\\MCA\\Semester1\\E3_NLP\\input\\lab_e2\\5G_enhanced_connectivity.txt',
 'C:\\spark\\MCA\\Semester1\\E3_NLP\\input\\lab_e2\\The_As-A-Service_Revolution.txt',
 'C:\\spark\\MCA\\Semester1\\E3_NLP\\input\\lab_e2\\Extended_Reality_AR_VR.txt',
 'C:\\spark\\MCA\\Semester1\\E3_NLP\\input\\lab_e2\\Robotics.txt',
 'C:\\spark\\MCA\\Semester1\\E3_NLP\\input\\lab_e2\\Artificial_Intelligence.txt']
```