

# DOCUMENT SEARCH

## Test Case 1: Simple String Search

Steps:

1. Run the searchTest.py Script as python searchTest.py

```
C:\caseStudy\target>python searchTest.py
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:
```

2. Select the Search option 1

```
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:1
Enter your String Value:
```

3. Enter the search string as “the”

```
C:\caseStudy\target>python searchTest.py
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:1
Enter your String Value: the
```

4. Result

```
Enter your String Value: the
Search Results:
french_armed_forces.txt -----> 59 matches
hitchhikers.txt -----> 24 matches
warp_drive.txt -----> 9 matches
Simple String Match Elapse Time ----> 0.036145799999999895 ms
```

## Test Case 2: Simple String Search

Steps:

1. Run the script - python searchTest.py

```
C:\caseStudy\target>python searchTest.py
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:
```

2. Select the Search option 1

```
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:1
Enter your String Value:
```

3. Enter the search string as “Welcome”

```

***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:1
Enter your String Value: Welcome

```

#### 4. Result

```

Enter your String Value: Welcome
Search Results:
french_armed_forces.txt -----> 0 matches
hitchhikers.txt -----> 0 matches
warp_drive.txt -----> 0 matches
Simple String Match Elaspse Time ----> 0.005802300000000926 ms

```

### Test Case 3: Regular Expression Search

Steps:

1. Run the script - python searchTest.py

```

C:\caseStudy\target>python searchTest.py
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:

```

2. Select the Search option 2

```

***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:2

```

3. Enter the search string as "THE"

```

***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:2
Enter your String Value: THE

```

4. Result

```

Search Results:
french_armed_forces.txt -----> 66 matches
hitchhikers.txt -----> 33 matches
warp_drive.txt -----> 9 matches
Simple String Match Elaspse Time ----> 0.007433799999999938 ms

```

## Test Case 4: Regular Expression Search

Steps:

1. Run the script - python searchTest.py

```
C:\caseStudy\target>python searchTest.py
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:
```

2. Select the Search option 2

```
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:2
```

3. Enter the search string as "The"

```
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:2
Enter your String Value: The
```

4. Result

```
Enter your String Value: The
Search Results:
french_armed_forces.txt -----> 66 matches
hitchhikers.txt -----> 33 matches
warp_drive.txt -----> 9 matches
Simple String Match Elaspse Time -----> 0.005252699999999777 ms
```

## Test Case 5: Regular Expression Search

Steps:

1. Run the script - python searchTest.py

```
C:\caseStudy\target>python searchTest.py
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:
```

2. Select the Search option 2

```
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:2
```

3. Enter the search string as “the”

```
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:2
Enter your String Value: the
```

4. Result

```
Enter your String Value: the
Search Results:
french_armed_forces.txt -----> 66 matches
hitchhikers.txt -----> 33 matches
warp_drive.txt -----> 9 matches
Simple String Match Elaspse Time ----> 0.005172900000000258 ms
```

### Test Case 6: Regular Expression Search

Steps:

1. Run the script - python searchTest.py

```
C:\caseStudy\target>python searchTest.py
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:
```

2. Select the Search option 2

```
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:2
```

3. Enter the search string as “he”

```
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:2
Enter your String Value: he
```

4. Result

```
Enter your String Value: he
Search Results:
french_armed_forces.txt -----> 72 matches
hitchhikers.txt -----> 36 matches
warp_drive.txt -----> 9 matches
Simple String Match Elaspse Time ----> 0.005119199999999768 ms
```

## Test Case 7: Regular Expression Search

Steps:

1. Run the script - python searchTest.py

```
C:\caseStudy\target>python searchTest.py
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:
```

2. Select the Search option 2

```
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:2
```

3. Enter the search string as "welcome"

```
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:2
Enter your String Value: welcome
```

4. Result

```
Enter your String Value: welcome
Search Results:
french_armed_forces.txt ----> 0 matches
hitchhikers.txt ----> 0 matches
warp_drive.txt ----> 0 matches
Simple String Match Elaspse Time ----> 0.0052767999999998971 ms
```

## Test Case 8: Index Search

Steps:

1. Run the script - python searchTest.py

```
C:\caseStudy\target>python searchTest.py
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:
```

2. Select the Search option 3

```
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:3
```

3. Enter the search string as “the”

```
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:3
Enter your String Value: the
```

4. Result

```
Search Results:
french_armed_forces.txt -----> 59 matches
hitchhikers.txt -----> 24 matches
warp_drive.txt -----> 9 matches
Simple String Match Elaspse Time -----> 0.0052242999999996265 ms
```

### Test Case 9: Index Search

Steps:

1. Run the script - python searchTest.py

```
C:\caseStudy\target>python searchTest.py
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:
```

2. Select the Search option 3

```
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:3
```

3. Enter the search string as “welcome”

```
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:3
Enter your String Value: welcome
```

4. Result

```
Enter your String Value: welcome
Search Results:
french_armed_forces.txt -----> 0 matches
hitchhikers.txt -----> 0 matches
warp_drive.txt -----> 0 matches
Simple String Match Elaspse Time -----> 0.006013600000000174 ms
```

## Test Case 10:

Steps:

1. Run the script - python searchTest.py

```
C:\caseStudy\target>python searchTest.py
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:
```

2. Select the Search option 5

```
***** Target Document Search Case Study *****
1. Simple String Search
2. Regular Expression Search
3. Index Search
Enter your option:5
Please Select the Valid Option --> Program exit
```