

Text Search Examples

```
E:\GMU DFCA\CFRS 772\Projects\Homework 2>python hw2_rgully.py
Enter full path of desired file: .\Test Files\sample_partial.txt
Enter type of desired file (text/binary): text
Enter keyword to search upon: Python

File searched: .\Test Files\sample_partial.txt
Keyword provided: Python
5 occurrences found at offsets: [17, 57, 265, 297, 842]

Output written to: TextFile_Keyword_Search_-_Python.txt

E:\GMU DFCA\CFRS 772\Projects\Homework 2>type TextFile_Keyword_Search_-_Python.txt
File searched: .\Test Files\sample_partial.txt
Keyword provided: Python
5 occurrences found at offsets: [17, 57, 265, 297, 842]
```

```
E:\GMU DFCA\CFRS 772\Projects\Homework 2>python hw2_rgully.py
Enter full path of desired file: .\Test Files\sample_partial.txt
Enter type of desired file (text/binary): text
Enter keyword to search upon: hellothere

File searched: .\Test Files\sample_partial.txt
Keyword provided: hellothere
No occurrences of 'hellothere' found in .\Test Files\sample_partial.txt

Output written to: TextFile_Keyword_Search_-_hellothere.txt

E:\GMU DFCA\CFRS 772\Projects\Homework 2>type TextFile_Keyword_Search_-_hellothere.txt
File searched: .\Test Files\sample_partial.txt
Keyword provided: hellothere
No occurrences of 'hellothere' found in .\Test Files\sample_partial.txt
```

Binary Search Examples

```
E:\GMU DFCA\CFRS 772\Projects\Homework 2>python hw2_rgully.py
Enter full path of desired file: HW2.pdf
Enter type of desired file (text/binary): binary
Enter hex-string to search upon (no spaces or delimiters; ex: ffd9): 255044462d

File searched: HW2.pdf
Keyword provided: b'%PDF-'
1 occurrences found at offsets: [0]

Output written to: BinaryFile_Keyword_Search_-_255044462d.txt

E:\GMU DFCA\CFRS 772\Projects\Homework 2>type BinaryFile_Keyword_Search_-_255044462d.txt
File searched: HW2.pdf
Keyword provided: b'%PDF-'
1 occurrences found at offsets: [0]
```

```

E:\GMU DFCA\CFRS 772\Projects\Homework 2>python hw2_rgully.py
Enter full path of desired file: .\Test Files\sample_binary.jpg
Enter type of desired file (text/binary): binary
Enter hex-string to search upon (no spaces or delimiters; ex: ffd9): ffd9

File searched: .\Test Files\sample_binary.jpg
Keyword provided: b'\xff\xd9'
1 occurrences found at offsets: [37073]

Output written to: BinaryFile_Keyword_Search_-_ffd9.txt

```

```

E:\GMU DFCA\CFRS 772\Projects\Homework 2>python hw2_rgully.py
Enter full path of desired file: .\Test Files\sample_binary.jpg
Enter type of desired file (text/binary): binary
Enter hex-string to search upon (no spaces or delimiters; ex: ffd9): fffffff

File searched: .\Test Files\sample_binary.jpg
Keyword provided: b'\xff\xff\xff'
No occurrences of 'b'\xff\xff\xff' found in .\Test Files\sample_binary.jpg

Output written to: BinaryFile_Keyword_Search_-_ffffff.txt

```

Error Examples

```

E:\GMU DFCA\CFRS 772\Projects\Homework 2>python hw2_rgully.py
Enter full path of desired file: a;l sdkfja
Enter type of desired file (text/binary): text
Enter keyword to search upon: hello

Sorry, an error occured: [Errno 2] No such file or directory: 'a;l sdkfja'

```

```

E:\GMU DFCA\CFRS 772\Projects\Homework 2>python hw2_rgully.py
Enter full path of desired file: .\Test Files\sample_partial.txt
Enter type of desired file (text/binary): help

Sorry, file type not recognized.
Please enter only 'text' or 'binary'.

```

```

E:\GMU DFCA\CFRS 772\Projects\Homework 2>python hw2_rgully.py
Enter full path of desired file: .\Test Files\sample_binary.jpg
Enter type of desired file (text/binary): binary
Enter hex-string to search upon (no spaces or delimiters; ex: ffd9): ;laksdjf

Incorrect input detected!
Make sure to enter your keyword in the expected format. Ex: ffd8ffe0

```