

SCREENSHOTS OF OUTPUT (With many testcases):

```
ramya_123@DESKTOP-2MBSH28: ~  
** SEARCH ENGINE HISTORY **  
  
A Search Engine is a software system that is designed to carry out web searches,  
which means to search the World Wide Web in a systematic way for particular information  
specified in a textual web search query.  
  
THE FOLLOWING SITE HAS ALL SEARCHES MADE TODAY.  
TIME OF SEARCH ALONG WITH THE DATA CAN BE ACCESSED!  
CONTINUE: Y/N : Y
```

```
ramya_123@DESKTOP-2MBSH28: ~  
  
OPERATIONS OFFERED BY SEARCH HISTORY:  
-----  
  
1.Make a search  
2.Remove your search from history  
3.Access your search history  
4.Most frequently browsed.  
5.Most recently browsed  
6.To give suggestions.  
7.Display search history  
8.Empty the browser history  
9.Clear browser history and Exit  
10.Exit  
  
Enter your option:
```

To make the searches by pressing 1:

ramya_123@DESKTOP-2MBSH28: ~

Search or type a URL: How to dance kathak

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Search or type a URL: What is baking?

ramya_123@DESKTOP-2MBSH28: ~

Search or type a URL: How to play games

ramya_123@DESKTOP-2MBSH28: ~

Search or type a URL: Why is diwali celebrated?

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Search or type a URL: How to braid your hair?

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Search or type a URL: Write the lyrics

To display the search history:

ramya_123@DESKTOP-2MBSH28: ~

OPERATIONS OFFERED BY SEARCH HISTORY:

- 1.Make a search
- 2.Remove your search from history
- 3.Access your search history
- 4.Most frequently browsed.
- 5.Most recently browsed
- 6.To give suggestions.
- 7.Display search history
- 8.Empty the browser history
- 9.Clear browser history and Exit
- 10.Exit

Enter your option: 7

ramya_123@DESKTOP-2MBSH28: ~

** Search History: **

Sun May 30

Write the lyrics :: 14:21:30
How to braid your hair? :: 14:19:47
Why is diwali celebrated? :: 14:18:02
How to play games :: 14:16:52
What is baking? :: 14:15:31
How to dance kathak :: 14:13:15

To remove your search made:

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OPERATIONS OFFERED BY SEARCH HISTORY:

- 1.Make a search
- 2.Remove your search from history
- 3.Access your search history
- 4.Most frequently browsed.
- 5.Most recently browsed
- 6.To give suggestions.
- 7.Display search history
- 8.Empty the browser history
- 9.Clear browser history and Exit
- 10.Exit

Enter your option: 2

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**** Search History: ****

Sun May 30

Write the lyrics :: 14:21:30
How to braid your hair? :: 14:19:47
Why is diwali celebrated? :: 14:18:02
How to play games :: 14:16:52
What is baking? :: 14:15:31
How to dance kathak :: 14:13:15

Enter keyword or the entire URL: lyrics

After deletion :

**** Search History: ****

Sun May 30

How to braid your hair? :: 14:19:47
Why is diwali celebrated? :: 14:18:02
How to play games :: 14:16:52
What is baking? :: 14:15:31
How to dance kathak :: 14:13:15

To access your search history with a substring(keyword):

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```
Access searches:

** Search History: **

Sun May 30

    How to braid your hair? :: 14:19:47
    Why is diwali celebrated? :: 14:18:02
    How to play games :: 14:16:52
    What is baking? :: 14:15:31
    How to dance kathak :: 14:13:15

Enter keyword: dance
```

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```
Access searches:

** Search History: **

Sun May 30

How to braid your hair? :: 14:19:47
Why is diwali celebrated? :: 14:18:02
How to play games :: 14:16:52
What is baking? :: 14:15:31
How to dance kathak :: 14:13:15

Enter keyword: dance
How to dance kathak :: 14:13:15
```

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```
Access searches:

** Search History: **

Sun May 30

How to braid your hair? :: 14:19:47
Why is diwali celebrated? :: 14:18:02
How to play games :: 14:16:52
What is baking? :: 14:15:31
How to dance kathak :: 14:13:15

Enter keyword: How
How to braid your hair? :: 14:19:47
How to play games :: 14:16:52
How to dance kathak :: 14:13:15
```

**To find most frequently and least frequently browsed:
[Now, search: 'How to dance kathak' has been searched twice and
'Why is Diwali celebrated' and 'What is baking' is not searched
even once]**

OPERATIONS OFFERED BY SEARCH HISTORY:

- 1.Make a search
- 2.Remove your search from history
- 3.Access your search history
- 4.Most frequently browsed.
- 5.Most recently browsed
- 6.To give suggestions.
- 7.Display search history
- 8.Empty the browser history
- 9.Clear browser history and Exit
- 10.Exit

Enter your option: 4

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To check frequencies of searches made:

```
The most frequently browsed searches:  
How to dance kathak :: 14:13:15 searched 2 times.
```

```
The least frequently browsed searches:  
Why is diwali celebrated? :: 14:18:02 searched 0 times.
```

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```
What is baking? :: 14:15:31 searched 0 times.
```

To find most recently accessed search:

OPERATIONS OFFERED BY SEARCH HISTORY:

- 1.Make a search
- 2.Remove your search from history
- 3.Access your search history
- 4.Most frequently browsed.
- 5.Most recently browsed
- 6.To give suggestions.
- 7.Display search history
- 8.Empty the browser history
- 9.Clear browser history and Exit
- 10.Exit

Enter your option: 5

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```
How to braid your hair? :: 14:19:47
```

To give suggestions by typing the first three letters of the search:

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OPERATIONS OFFERED BY SEARCH HISTORY:

- 1.Make a search
- 2.Remove your search from history
- 3.Access your search history
- 4.Most frequently browsed.
- 5.Most recently browsed
- 6.To give suggestions.
- 7.Display search history
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- 9.Clear browser history and Exit
- 10.Exit

Enter your option: 6

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SUGGESTIONS:

```
Enter keyword (length 3) :How
How to braid your hair? :: 14:42:57
How to play games? :: 14:42:24
How to dance kathak :: 14:41:59
```

To display the search history:

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OPERATIONS OFFERED BY SEARCH HISTORY:

- 1.Make a search
- 2.Remove your search from history
- 3.Access your search history
- 4.Most frequently browsed.
- 5.Most recently browsed
- 6.To give suggestions.
- 7.Display search history
- 8.Empty the browser history
- 9.Clear browser history and Exit
- 10.Exit

Enter your option: 7

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```

** Search History: **
Sun May 30

How to braid your hair? :: 14:42:57
Why is diwali celebrated? :: 14:42:43
How to play games? :: 14:42:24
What is baking? :: 14:42:09
How to dance kathak :: 14:41:59
```

To empty the browser history:

ramya_123@DESKTOP-2MBSH28: ~

```
OPERATIONS OFFERED BY SEARCH HISTORY:
-----
```

- 1.Make a search
- 2.Remove your search from history
- 3.Access your search history
- 4.Most frequently browsed.
- 5.Most recently browsed
- 6.To give suggestions.
- 7.Display search history
- 8.Empty the browser history
- 9.Clear browser history and Exit
- 10.Exit

Enter your option: 8

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History is cleared!!!

**** Search History: ****

Sun May 30

After clearing, displaying the search history:

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**** Search History: ****

Sun May 30

To clear the search history and exit:

ramya_123@DESKTOP-2MBSH28: ~

```
OPERATIONS OFFERED BY SEARCH HISTORY:
-----

1.Make a search
2.Remove your search from history
3.Access your search history
4.Most frequently browsed.
5.Most recently browsed
6.To give suggestions.
7.Display search history
8.Empty the browser history
9.Clear browser history and Exit
10.Exit

Enter your option: 9
```

ramya_123@DESKTOP-2MBSH28: ~

```
Browser History cleared!

THANK YOU! VISIT LATER TO CHECK THE SEARCH HISTORY! :)
```

To type 'N' to not continue:

ramya_123@DESKTOP-2MBSH28: ~

```

** SEARCH ENGINE HISTORY **

A Search Engine is a software system that is designed to carry out web searches,
which means to search the World Wide Web in a systematic way for particular information
specified in a textual web search query.

THE FOLLOWING SITE HAS ALL SEARCHES MADE TODAY.
TIME OF SEARCH ALONG WITH THE DATA CAN BE ACCESSED!

CONTINUE: Y/N : N

CONTINUE: Y/N : N

THANK YOU! VISIT LATER TO CHECK THE SEARCH HISTORY! :)
ramya_123@DESKTOP-2MBSH28:~$
```