

## Contents of file1.txt

```
mentor@cft: ~/ECEP/data_Structure/my_data/Project/Projects/Inverted_Search/Invertedsearch_src(original)
mentor@cft:~/ECEP/data_Structure/my_data/Project/Projects/Inverted_Search/invertedsearch_src(original)$
cat file1.txt
Hi hello how are you ? Hi Hello Hi Hi Hi Hello
mentor@cft:~/ECEP/data_Structure/my_data/Project/Projects/Inverted_Search/invertedsearch_src(original)$
```

## Pasing file1.txt through CL

```
mentor@cft:~/ECEP/data_Structure/
./Slist.exe file1.txt _ I
```

## Inserting Fname into LL and Displaying menu

```
Successful: inserting file name : file1.txt into file linked list
Select your choice among following options:
1. Create DATABASE
2. Display Database
3. Update DATABASE
4. Search
5. Save Database
Enter your choice
_
```

## Creating database with the given file contents

```
Successful: inserting file name : file1.txt into file linked list
Select your choice among following options:
1. Create DATABASE
2. Display Database
3. Update DATABASE
4. Search
5. Save Database
Enter your choice
1
Successful : Creation of DATABASE for file: file1.txt
Do you want to continue ?
Enter y/Y to continue and n/N to discontinue
y
```

## Displaying menu again to select the user choice

```
Successful: inserting file name : file1.txt into file linked list
Select your choice among following options:
1. Create DATABASE
2. Display Database
3. Update DATABASE
4. Search
5. Save Database
Enter your choice
1
Successful : Creation of DATABASE for file: file1.txt
Do you want to continue ?
Enter y/Y to continue and n/N to discontinue
y
Select your choice among following options:
1. Create DATABASE
2. Display Database
3. Update DATABASE
4. Search
5. Save Database
Enter your choice
2_
```

## User choice is 2, Displaying database

```
Enter your choice
2
[index] [word] file count file/s: File: File name word count
[0] [ are ] 1 file/s: File : file1.txt 1
[7] [ Hi ] 1 file/s: File : file1.txt 6
[7] [ hello ] 1 file/s: File : file1.txt 1
[7] [ how ] 1 file/s: File : file1.txt 1
[7] [ Hello ] 1 file/s: File : file1.txt 2
[24] [ you ] 1 file/s: File : file1.txt 1
[63] [ ? ] 1 file/s: File : file1.txt 1

Do you want to continue ?
Enter y/Y to continue and n/N to discontinue
y
Select your choice among following options:
1. Create DATABASE
2. Display Database
3. Update DATABASE
4. Search
5. Save Database
Enter your choice
3
Enter the file name to update data:file2.txt_
```



User choice is 3, Update database and entering new filename

```
Enter your choice
2
[index] [word]  file count file/s: File: File name word count
[0]      [ are ]   1 file/s: File : file1.txt 1
[7]      [ Hi ]   1 file/s: File : file1.txt 6
[7]      [ hello ] 1 file/s: File : file1.txt 1
[7]      [ how ]   1 file/s: File : file1.txt 1
[7]      [ Hello ] 1 file/s: File : file1.txt 2
[24]     [ you ]   1 file/s: File : file1.txt 1
[63]     [ ? ]     1 file/s: File : file1.txt 1

Do you want to continue ?
Enter y/Y to continue and n/N to discontinue
y
Select your choice among following options:
1. Create DATABASE
2. Display Database
3. Update DATABASE
4. Search
5. Save Database
Enter your choice
3
Enter the file name to update data:file2.txt_
```

## Creating database with given file

```
[7] [ Hi ] 1 file/s: File : file1.txt  
[7] [ hello ] 1 file/s: File : file1.t  
[7] [ how ] 1 file/s: File : file1.txt  
[7] [ Hello ] 1 file/s: File : file1.t  
[24] [ you ] 1 file/s: File : file1.tx  
[63] [ ? ] 1 file/s: File : file1.txt
```

Do you want to continue ?

Enter y/Y to continue and n/N to discontinue

y

Select your choice among following options:

1. Create DATABASE
2. Display Database
3. Update DATABASE
4. Search
5. Save Database

Enter your choice

3

Enter the file name to update data:file2.txt

Successful: inserting file name : file2.txt into file linked list

Successful : Creation of DATABASE for file: file2.txt

Do you want to continue ?

Enter y/Y to continue and n/N to discontinue

```
mentor@cft:~/ECEP/data_Structure/my_data/Project/Pr  
cat file1.txt  
Hi hello how are you ? Hi Hello Hi Hi Hi Hi Hello  
mentor@cft:~/ECEP/data_Structure/my_data/Project/Pr  
cat file2.txt  
Hi Hello this is inverted search project.  
mentor@cft:~/ECEP/data_Structure/my_data/Project/Pr
```

## Contents of file2.txt

## Display data base

2. Display Database

3. Update DATABASE

4. Search

5. Save Database

Enter your choice

2

[index] [word] file\_count file/s File: File\_name word\_count

```
[0] [ are ] 1 file/s: File : file1.txt 1
[7] [ Hi ] 2 file/s: File : file1.txt 6 File : file2.txt 1
[7] [ hello ] 1 file/s: File : file1.txt 1
[7] [ how ] 1 file/s: File : file1.txt 1
[7] [ Hello ] 2 file/s: File : file1.txt 2 File : file2.txt 1
[8] [ is ] 1 file/s: File : file2.txt 1
[8] [ inverted ] 1 file/s: File : file2.txt 1
[15] [ project. ] 1 file/s: File : file2.txt 1
[18] [ search ] 1 file/s: File : file2.txt 1
[19] [ this ] 1 file/s: File : file2.txt 1
[24] [ you ] 1 file/s: File : file1.txt 1
[63] [ ? ] 1 file/s: File : file1.txt 1
```

Do you want to continue ?

Enter y/Y to continue and n/N to discontinue



## Search into database

```
[18] [ search ] 1 file/s: File : file2.txt 1  
[19] [ this ] 1 file/s: File : file2.txt 1  
[24] [ you ] 1 file/s: File : file1.txt 1  
[63] [ ? ] 1 file/s: File : file1.txt 1
```

-----  
Do you want to continue ?

Enter y/Y to continue and n/N to discontinue

y

Select your choice among following options:

1. Create DATABASE I

2. Display Database

3. Update DATABASE

4. Search

5. Save Database

Enter your choice

4

Enter the word you want to search: Hi

Word Hi is present in 2 file/s

In file: file1.txt 6 time/s

In file: file2.txt 1 time/s

Do you want to continue ?

Enter y/Y to continue and n/N to discontinue





## Save database (taking backup)

```
5. Save Database
Enter your choice
4
Enter the word you want to search: Hi
Word Hi is present in 2 file/s
In file: file1.txt 6 time/s
In file: file2.txt 1 time/s

Do you want to continue ?
Enter y/Y to continue and n/N to discontinue
y
Select your choice among following options:
1. Create DATABASE
2. Display Database
3. Update DATABASE
4. Search
5. Save Database
Enter your choice
5
Enter the file name to save database: backup.txt
Database is saved
Do you want to continue ?
Enter y/Y to continue and n/N to discontinue
```

## Backup file contents

```
mentor@cft:~/ECEP/data_Structure/my_c
cat backup.txt
#:0
are:1:file1.txt:1:#
#:7
Hi:2:file1.txt:6:file2.txt:1:#
hello:1:file1.txt:1:#
how:1:file1.txt:1:#
Hello:2:file1.txt:2:file2.txt:1:#
#:8
is:1:file2.txt:1:#
inverted:1:file2.txt:1:#
#:15
project.:1:file2.txt:1:#
#:18
search:1:file2.txt:1:#
#:19
this:1:file2.txt:1:#
#:24
you:1:file1.txt:1:#
#:63
?:1:file1.txt:1:#
```