Ex.no:	
	READ AND DISPLAY FILE CONTENT IN C
Date:	

AIM:

To write a C program that reads data from a text file and displays it on the screen.

ALGORITHM:

STEP 1: Start.

STEP 2: Declare necessary variables, including a file pointer.

STEP 3: Open the text file in read mode (r) using fopen().

- If the file cannot be opened, display an error message and exit.

STEP 4: Read the contents of the file using fgetc() or fgets() in a loop.

STEP 5: Display the content on the screen as it is read .

STEP 6: Close the file using fclose().

STEP 7: End.

SOLUTION CODE:

```c
#include<stdio.h>
int main()
{
FILE *file;
 char ch;
  file = fopen("input.txt", "r");
  if(file == NULL)
  {
    printf("Error: Could not open the file.\n");
    return 1;
```
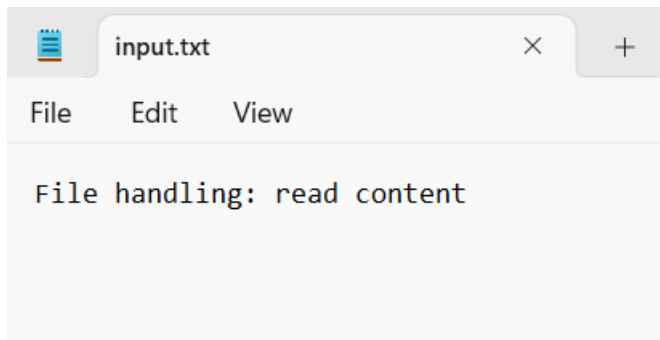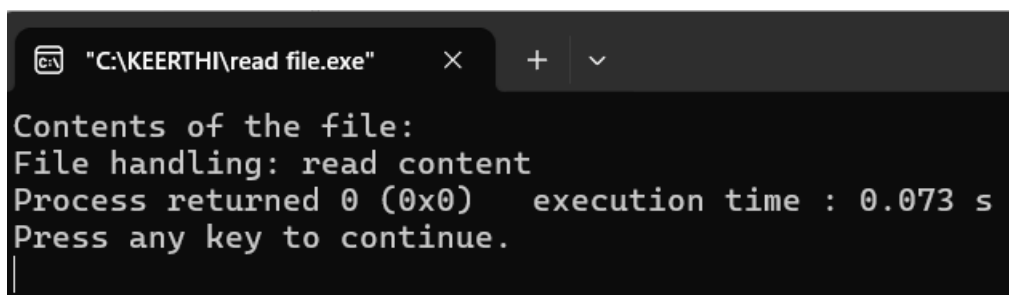
```c
    }
    printf("Contents of the file:\n");



    while ((ch = fgetc(file)) !=EOF)
{
        putchar(ch);
    }
    fclose(file);
return 0;
}
```

INPUT:

input.txt

File   Edit   View

File handling: read content

OUTPUT:

"C:\KEERTHI\read file.exe"

```
Contents of the file:
File handling: read content
Process returned 0 (0x0)   execution time : 0.073 s
Press any key to continue.
```

RESULT:

Ex.no:	
Date:	**APPEND DATA FROM ONE FILE TO ANOTHER IN C**

AIM:

To write a C program that reads data from one text file and appends it to another file.

ALGORITHM:

STEP 1: Start.

STEP 2: Declare necessary variables, including two file pointers.

STEP 3: Open the source file in read mode (r) and the destination file in append mode (a).

STEP 4: If either file cannot be opened, display an error message and exit.

STEP 5: Read the contents of the source file using a loop and append the data to the destinatiom file.

STEP 6: Close both files using fclose().

STEP 7: End.

SOLUTION CODE:

```
#include<stdio.h>

int main()

{

FILE *src, *dest;

    char ch;

    src = fopen("src.txt", "r");

    if(src == NULL)

    {

    printf("Error: Could not open source file.\n");

    return 1;
```
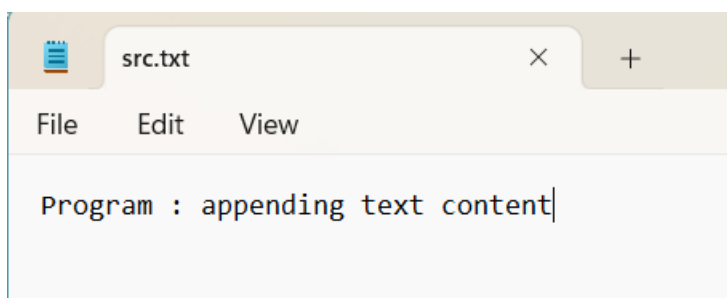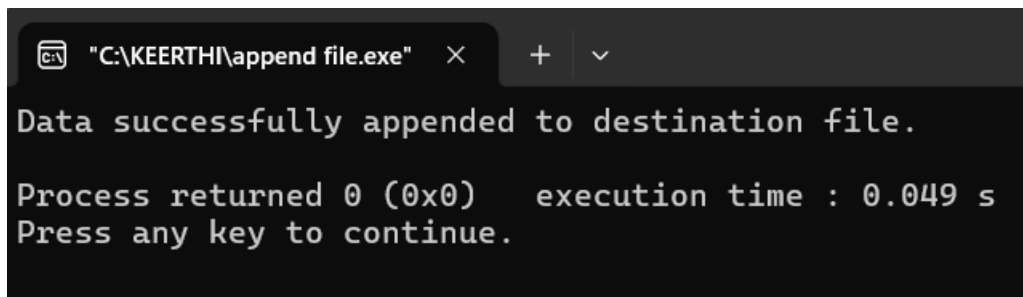
```c
    }
    dest = fopen("dest.txt", "a");

    if(dest == NULL)
    {
    printf("Error: Could not open destination file.\n");

    fclose(src);

    return 1;

    }
    while ((ch = fgetc(src)) != EOF)
    {
        fputc(ch, dest);

    }
    printf("Data successfully appended to destination file.\n");

    fclose(src);

    fclose(dest);
return 0;

}
```

INPUT:

1.Source file:

OUTPUT:


```
"C:\KEERTHI\append file.exe"   ✕    +   ⌄

Data successfully appended to destination file.

Process returned 0 (0x0)    execution time : 0.049 s
Press any key to continue.
```

Destination.txt file after appending data from source file


```
 src.txt                    dest.txt              ✕    +

File    Edit    View

Program : appending text content
```

RESULT: