

Experiment-26:Construct a C program to implement the file management operations.

Aim:

To implement basic file management operations in C, including creating a file, writing data to it, reading data from it, and closing the file.

Procedure:

1. Create/Open a File: Open or create a file using the fopen function.
2. Write Data to the File: Write data to the file using fprintf or fputs.
3. Read Data from the File: Read data from the file using fgets or fscanf.
4. Close the File: Close the file using the fclose function.

C Code:

```
#include <stdio.h>
```

```
int main() {
```

```
    FILE *file;
```

```
    char buffer[100];
```

```
    file = fopen("example.txt", "w");
```

```
    if (file == NULL) {
```

```
        printf("Error opening file for writing.\n");
```

```
        return 1;
```

```
    }
```

```
    fprintf(file, "Hello, File Management in C!\n");
```

```
    fclose(file);
```

```
    file = fopen("example.txt", "r");
```

```
if (file == NULL) {  
    printf("Error opening file for reading.\n");  
    return 1;  
}  
  
fgets(buffer, sizeof(buffer), file);  
printf("Content of file: %s\n", buffer);  
fclose(file);  
  
return 0;  
}
```

Output:

Output

```
Content of file: Hello, File Management in C!
```