Project on File Management System

Submitted by

Name of the Student: Satish Chandra Jha
Enrolment Number: 12022002004010
Section: K
Class Roll Number: 07
Stream: Information Technology
Subject: Programming for Problem Solving using C
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Department: Basic Science and Humanities

Under the supervision of
Prof.Swarnendu Ghosh

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PROJECT REPORT SUBMITTED IN PARTIAL FULFILLMENT OF THE
REQUIREMENTS FOR THE SECOND SEMESTER

**DEPARTMENT OF BASIC SCIENCE AND HUMANITITES
INSTITUTE OF ENGINEERING AND MANAGEMENT, KOLKATA**

CERTIFICATE OF RECOMMENDATION

We hereby recommend that the project prepared under our supervision by **Satish Chandra Jha** entitled **"File Management System** "be accepted in partial fulfillment of the requirements for the degree of partial of the second semester.

_____   _____

Head of the Department   Project Supervisor
Basic Sciences and Humanities
IEM, Kolkata

1.Introduction:

This project is assigned to me for developing a File Management System with the help of basic C programming language.

The basic aim of the project is to create a File management system where we need to create the file and write the contents in the file and read the content of the file. After reading the content we can delete the file with the help of c programming. We have to create a file (.exe file) for writing contents in the file.

2. Variable Description:
The different variables used in this project are listed under:-

1. char filename[100]:-To write the file name.
2. char content [1000]:-To write the content in the file.
3. int choice: -To enter the choice to perform various function

3.Function description:
The different functions (structures) used in this project are listed under:-

1. createfile:To create a file.
2. writefile:To write content in the file
3. readfile:To read the content written in the file.
4. deletefile:To delete the file.

4.Programme:

```
//CODE:
#include <stdio.h>
#include <stdlib.h>

void createFile()
{
FILE *file;
```

```c
char fileName[100];
printf("Enter the name of the file: ");
scanf("%s", fileName);
file = fopen(fileName, "w");
if (file == NULL) {
printf("Error creating file.\n");
return;
}
printf("File created successfully.\n");
fclose(file);
}
void writeFile()
{
FILE *file;
char fileName[100];
char content[1000];
printf("Enter the name of the file: ");
scanf("%s", fileName);
file = fopen(fileName, "a");
if (file == NULL) {
printf("Error opening file.\n");
return;
}
printf("Enter the content to write (max 1000 characters):\n");
scanf(" %[^\n]", content);
fprintf(file, "%s\n", content);
printf("Content written to the file.\n");
fclose(file);
}
void readFile()
{
FILE *file;
char fileName[100];
char content[1000];
printf("Enter the name of the file: ");
scanf("%s", fileName);
file = fopen(fileName, "r");
if (file == NULL) {
printf("Error opening file.\n");
return;
}
printf("File content:\n");
while (fgets(content, sizeof(content), file) != NULL) {
printf("%s", content);
}
fclose(file);
```

```c
}
void deleteFile()
{
char fileName[100];
printf("Enter the name of the file: ");
scanf("%s", fileName);
if (remove(fileName) == 0) {
printf("File deleted successfully.\n");
} else {
printf("Error deleting file.\n");
}
}
int main()
{
int choice;
printf("File Management System\n");
while (1) {
printf("\nSelect an option:\n");
printf("1. Create a File\n");
printf("2. Write to a File\n");
printf("3. Read a File\n");
printf("4. Delete a File\n");
printf("5. Exit\n");
printf("Enter your choice: ");
scanf("%d", &choice);
switch (choice) {
case 1:
createFile();
break;
case 2:
writeFile();
break;
case 3:
readFile();
break;
case 4:
deleteFile();
break;
case 5:
printf("Thank you for using the file management system. Goodbye!\n");
return 0;
default:
printf("Invalid choice. Please try again.\n");
break;
}
}
```

```
return 0;
}
```

5.OUTPUT:

```
C:\Users\Manish\OneDrive\Desktop\striverr>cd "c:\Users\Manish\OneDrive\Desktop\striverr\array\carchprjct\" && gcc pro.c -o pro && "c:\Users\Manish\OneDrive\Desktop\striverr\arra
y\carchprjct\"pro
File Management System

Select an option:
1. Create a File
2. Write to a File
3. Read a File
4. Delete a File
5. Exit
Enter your choice: 1
Enter the name of the file: PROJECT7
File created successfully.

Select an option:
1. Create a File
2. Write to a File
3. Read a File
4. Delete a File
5. Exit
Enter your choice: 2
Enter the name of the file: PROJECT7
```

```
Enter your choice: 2
Enter the name of the file: PROJECT7
Enter the content to write (max 1000 characters):
MY NAME IS SATISH
Content written to the file.

Select an option:
1. Create a File
2. Write to a File
3. Read a File
4. Delete a File
5. Exit
Enter your choice: 3
Enter the name of the file: PROJECT7
File content:
MY NAME IS SATISH
  Select an option:
  1. Create a File
  2. Write to a File
  3. Read a File
  4. Delete a File
  5. Exit
  Enter your choice: 4
  Enter the name of the file: PROJECT7
  File deleted successfully.

  Select an option:
  1. Create a File
  2. Write to a File
  3. Read a File
  4. Delete a File
  5. Exit
  Enter your choice: 5
  Thank you for using the file management system. Goodbye!

  c:\Users\Manish\OneDrive\Desktop\striverr\array\carchprjct>
```

FILE:

```
array > carchprjct > 🗋 PROJECT7
   1    MY NAME IS SATISH
   2
```