
Scenario 1

Create a file named as Test.txt in write mode.

```
int main()
{
FILE *fp;
fp = fopen("Test.txt", "w");
fprintf(fp, "%s\n", "Hello World, This is a test.");
fclose(fp);
system("pause");
return 0;
}
```

Scenario 2

Open the last created file and read all values stored in it.

```
int main()
{
FILE *fp;
char read_ch;
fp = fopen("Test.txt", "r");
while((read_ch=fgetc(fp))!= EOF)
printf("%c", read_ch);
fclose(fp);
system("pause");
return 0;
}
```

Scenario 3

Open the last created file in append mode and write something into it.

```
int main()
{
FILE *fp;
fp = fopen("Test.txt", "a");
fprintf(fp, "%s\n", "Testing append mode.");
fclose(fp);
system("pause");
return 0;}
```

Scenario 4

Rename Test.txt.

```
int main()
{
int renameFile=0;
renameFile=rename("Test.txt", "Hello.txt");
if (renameFile!=0)
perror("Error in renaming file.");
system("pause");
return 0;
}
```

Scenario 5

Delete Test.txt.

```
int main()
{
if (remove("Text.txt") == -1)
perror("Error in deleting a file");
system("pause");
return 0;
}
```

Scenario 6

Check file status.

```
int main() {
FILE *fp;
fp = fopen("Test.txt", "a");
if (fp==NULL)
printf("Error in opening a file");
else {
fprintf(fp, "%s\n", "Testing append mode.");
fclose(fp);}
system("pause");
return 0; }
```

Scenario 7

Get name, surname, age and salary of the workers and write them to a file.

```
void main()
{
FILE *fptr;
char name[20];
char surname[20];
int age;
float salary;
fptr = fopen ("emp.txt", "w"); /*open for writing*/
if (fptr == NULL)
{
printf("File does not exists\n");
return;
}
else
{
printf("Enter the name\n");
scanf("%s", name);
fprintf(fptr, "Name = %s\n", name);
printf("Enter the surname\n");
scanf("%s", surname);
fprintf(fptr, "Surname = %s\n", surname);
printf("Enter the age\n");
scanf("%d", &age);
fprintf(fptr, "Age = %d\n", age);
printf("Enter the salary\n");
scanf("%f", &salary);
fprintf(fptr, "Salary = %.2f\n", salary);
fclose(fptr);}
system("pause");
return 0; }
```

Scenario 8

Rearrange the code for 10 workers.

Use for loop after else statement.

Scenario 9

Read file character by character and count the number of a's.

```
int main ()
{
FILE * pFile;
int c, n = 0;
pFile=fopen ("myfile.txt","r");
if (pFile==NULL) perror ("Error opening file");
else
{
do {
c = fgetc (pFile);
if (c == 'A')
n++;
} while (c != EOF);
fclose (pFile);
printf ("The file contains %d 'A' character(s).\n",n);
}
system("pause");
return 0;}
```

Scenario 10

Write characters from "A" to "Z".

```
int main ()
{
FILE * pFile;
char c;
pFile = fopen ("myfile.txt","w");
if (pFile!=NULL)
{
for (c = 'A' ; c <= 'Z' ; c++)
fputc ( (int) c , pFile );
fclose (pFile); }
system("pause");
return 0; }
```

Scenario 11

Binary read from file binary write another file.

```
int main()
{
   char ch;

   FILE *input, *output;
```

```
    input = fopen("drop.txt", "rb");
    if (input == NULL)
    {
       puts("Input Binary file error");
    }

    output= fopen("drop2.dat", "wb");
    if (output == NULL)
    {
      puts("Output binary file error");
    }


    while(1)
    {
       ch = fgetc(input);
       if (ch==EOF)
           break;
        else
           fputc(ch, output);
           printf("%c",ch);
     }

     fclose(input);
     fclose(output);

     return 0;
}
```