14. **Illustrate the various File Access Permission and different types users in Linux**

# include <stdio.h>

# include <string.h>

void main( )

{ FILE \*fp ;

char data[50];

printf( "Opening the file test.c in write mode" ) ;

fp = fopen("test.txt", "w") ;

if ( fp == NULL )

{

printf( "Could not open file test.txt" ) ;

} printf( "\n Enter some text from keyboard to write in the file test.txt" ) ; while ( strlen ( gets( data ) ) > 0 )

{ fputs(data, fp) ;

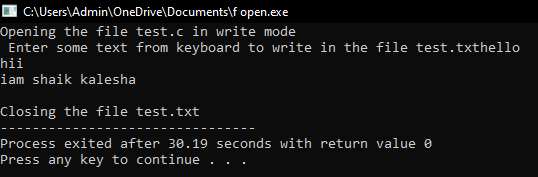
fputs("\n", fp) ;

} printf("Closing the file test.txt") ;

fclose(fp) ;

}

OUTPUT:



2. C program to read the file.

AIM:

To write a simple c program to read the contents of a file and display the same.

ALGORITHM:

Step 1: Start.

Step 2: Open an input file in read mode.

Step 3: Read the contents from the file.

Step 4: Display the contents in the screen.

Step 5: Close the file.

Step 6: Stop.

PROGRAM:

# include <stdio.h>

void main( )

{ FILE \*fp ;

char data[50] ;

printf( "Opening the file test.txt in read mode" ) ;

fp = fopen( "test.txt", "r" ) ;

if ( fp == NULL )

{ printf( "Could not open file test.txt" ) ;

} printf( "Reading the file test.txt" ) ;

while( fgets ( data, 50, fp ) != NULL )

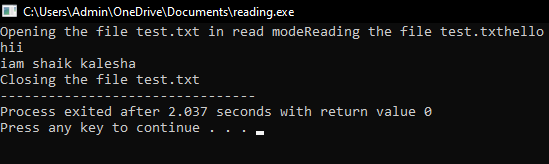
printf( "%s" , data ) ;

printf("Closing the file test.txt") ;

fclose(fp) ;

}

OUT PUT:



3. C program to reversing a file.

AIM:

To write a simple c program for reversing the file contents.

ALGORITHM:

STEP 1:START

STEP 2:Create a file named reverse.c

STEP 3:Get the data from the user.

STEP 4:Store the data in the file.

STEP 5:Reverse the data.

STEP 6:STOP.

PROGRAM:

#include <stdio.h>

void main()

{

FILE \*fp;

char ch;

int i,pos;

fp=fopen("test.txt","r");

if(fp==NULL)

{

printf("file doesnot exist \n");

}

fseek(fp,0,SEEK\_END);

pos=ftell(fp);

i=0;

while(i<pos)

{

i++;

fseek(fp,-i,SEEK\_END);

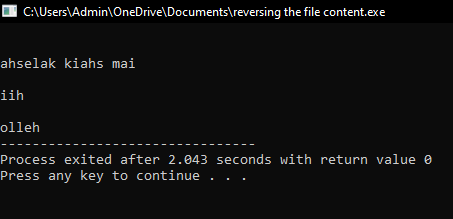
ch=fgetc(fp);

printf("%c",ch);

}

}

OUT PUT:



RESULT: Thus the illustration of the various file access permission and different types users in linux is successfully implemented.