File handling in ‘C’

# Read File character by character

#include<stdio.h>

main()

{

FILE \*y;

char t;

y=fopen("yashurocks.c","r");

if(y)

{

printf("opened\n");

for(;(t=fgetc(y))!=EOF;)

{

//fgetc is used to read a character from file

printf("%c",t);

}

}

else

{

printf("not opened\n");

}

fclose(y);

}

# Open a file in default program

//we can open any type of file

//ex.ppt,.txt.,.jpg,.mp3 etc.

#include<stdio.h>

main()

{

system("E:\\2013\\yahan.mp3");

}

# Create a File

#include<stdio.h>

main()

{

FILE \*p;

p=fopen("yashu67.ppt","w");

if(p)

{

printf("created");

}

else

{

printf("not created");

}

fclose(p);

}

# Write in a Blank File

#include<stdio.h>

main()

{

FILE \*p;

char a;

p=fopen("yashu6.txt","w");

if(p)

{

printf("opened\n");

fputs("hello i m yashu",p);

}

else

{

printf("not opened\n");

}

fclose(p);

}

**Create, Write and Read A File Altogether**

//THIS IS A PROGRAM TO DEMONSTRATE CREATE, WRITE AND READ A FILE ALTOGETHER

#include<stdio.h>

main()

{

FILE \*y;

char t;

//creating

y=fopen("yashuu.txt","w");

if(y)

{

printf("created\n");

}

else

{

printf("not created\n");

}

//writing

fputs("this is yashu",y);

fcolse(y);

//reading

y=fopen("yashuu.txt","r");

if(y)

{

printf("opened\n");

}

else

{

printf("not opened\n");

}

for(;(t=fgetc(y))!=EOF;)

{

//fgetc is used to read a character from file

printf("%c",t);

}

fclose(y);

}

# Count characters in a file

#include<stdio.h>

main()

{

FILE \*y;

int count;

char ch;

fopen("hh.txt","r");

for(count=0;(ch=fgetc(y))!=EOF;count++)

{}

printf("%d",count);

fclose(y);

}

# Count lines in a File

#include<stdio.h>

main()

{

FILE \*y;

int count=0;

char ch;

y=fopen("yy.txt","r");

while((ch=fgetc(y))!=EOF)

{

if(ch=='\n')

{

count++;

}

}

count++;

printf("%d",count);

fclose(y);

}

# Count words of a File

#include<stdio.h>

main()

{

int count=0;

char ch;

FILE \*y;

y=fopen("fight.txt","r");

while((ch=fgetc(y))!=EOF)

{

if(ch==32)

{

count++;

}

}

count++;

printf("%d",count);

fclose(y);

}

# Append a File

#include<stdio.h>

main()

{

FILE \*p;

char a;

p=fopen("yashu6.txt","a");

if(p)

{

printf("opened\n");

fputs("hello i m yashu\n",p);

}

else

{

printf("not opened\n");

}

fclose(p);

}

# Copy a Binary File

#include<stdio.h>

main()

{

FILE \*p,\*q;

int val;

unsigned char byte;

p=fopen("abc.rar","rb");

q=fopen("xyz.rar","wb");

if(p==NULL)

{

printf("source file not opened successfully");

}

else if(q==NULL)

{

printf("destination file not created successfully");

}

else

{

printf("coping....");

while(1)

{

val = fgetc(p);

if (val == EOF)

{

break;

}

byte = (unsigned char) val;

fputc(byte,q);

}

}

fclose(p);

fclose(q);

printf("copied");

}

# Read integers From File

#include<stdio.h>

main()

{

FILE \*p;

int sum=0,number;

p=fopen("kl.txt","r");

if(p==NULL)

{

printf("file not opened ");

}

else

{

while(!feof(p))

{

fscanf(p,"%d",&number);

printf("%d\n",number);

sum=sum+number;

}

printf("%d",sum);

fclose(p);

}

}

# Read Itself

#include<stdio.h>

main()

{

FILE \*p;

char a;

p=fopen("read itself.c","r");

if(p)

{

printf("opened\n");

for(;(a = fgetc(p))!=EOF;)

{

printf("%c",a);

}

}

else

{

printf("not opened\n");

}

fclose(p);

}

# Rename a File

#include <stdio.h>

main()

{

int result;

char oldname[] ="rt.txt";

char newname[] ="network.txt";

result= rename( oldname , newname );

if ( result == 0 )

{

puts ( "File successfully renamed" );

}

else

{

perror( "Error renaming file" );

}

}

# Delete a File

#include <stdio.h>

main ()

{

if( remove( "debug.log" ) != 0 )

{

perror( "Error deleting file" );

}

else

{

puts( "File successfully deleted" );

}

}

# Make a Folder/Directory

#include<stdio.h>

main()

{

//when folder is created it returns false,otherwise true

int a=system("mkdir d:\\vikas\\abcd");

if(a)

{

printf("folder not created");

}

else

{

printf("folder created");

}

}

# Rename a Folder

#include <stdio.h>

main()

{

int result;

char oldname[] ="faltu";

char newname[] ="faltu2";

result= rename( oldname , newname );

if ( result == 0 )

{

puts ( "Folder successfully renamed" );

}

else

{

perror( "Error renaming Folder" );

}

}

# Scan all files and folders inside a Directory/Folder

#include<stdio.h>

main()

{

system("dir d:\\fca\\");

}

# Delete a Folder

#include <stdio.h>

main ()

{

if( system("rmdir rt") )

{

perror( "Error deleting folder" );

}

else

{

puts( "Folder successfully deleted" );

}

}

# Rename a File

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