#include <stdio.h>

#include <stdlib.h>

int main()

{

FILE \*fptr;

char filename[] = "lab2.txt", ch;

// Open file

fptr = fopen(filename, "r");

if (fptr == NULL)

{

printf("Cannot open file \n");

exit(0);

}

// Read contents from file

ch = fgetc(fptr);

while (ch != EOF)

{

printf ("%c", ch);

ch = fgetc(fptr);

}

fclose(fptr);

return 0;

}

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

int main()

{

FILE \*fptr;

char filename[] = "lab2.txt", s[80];

// Open file

fptr = fopen(filename, "w");

if (fptr == NULL)

{

printf("Cannot open file \n");

exit(0);

}

// Write contents to a file

printf("\nEnter a few lines of text:\n");

while (strlen(gets(s))>0)

{

fputs(s,fptr);

fputs("\n",fptr);

}

fclose(fptr);

return 0;

}

#include <stdio.h>

#include <stdlib.h>

int main()

{

FILE \*fptr;

char filename[100];

printf("Enter name of file to create: ");

scanf("%s",filename);

// Creation of a File.

fptr = fopen(filename, "w");

if (fptr == NULL)

{

printf("Cannot open file \n");

exit(0);

}

fclose(fptr);

return 0;

}

#include <dirent.h>

#include <stdio.h>

#include < sys/types.h>

#include <stdlib.h>

//argc - count no. of arguments

//argv[][] - array of arguments like:

// argv[0] = "ls"

// argv[1] = "/home/saurav"

int main(int argc ,char \*argv[])

{

DIR \*dp; // Directory pointer

struct dirent \*dirp;

if(argc < 2)

{

printf("\nAtleast 2 arguments needed .");

exit(1);

}

if((dp = opendir(argv[1]))==NULL)

{

printf("Could not open current directory");

exit(1);

}

while((dirp = readdir(dp))!=NULL)

printf("%s\t",dirp->d\_name);

closedir(dp);

}

#include <dirent.h>

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

//argc - count no. of arguments

//argv[][] - array of arguments like:

// argv[0] = "./a.out"

// argv[1] = "-c"

// argv[2] = "hello"

// argv[3] = "lab2.txt"

int main(int argc ,char \*argv[])

{

DIR \*dp; // Directory pointer

struct dirent \*dirp;

if(argc < 4)

{

printf("\nAtleast 4 arguments needed.");

exit(1);

}

int i;

FILE \*fptr;

char filename[100],ch[2],search[20],str[200],word[20];

ch[1]='\0';

strcpy(str,"");

strcpy(search,argv[2]);

strcpy(filename,argv[3]);

printf("\n%s\t%s",search,filename);

int j,count = 0;

int search\_len = strlen(search);

// Open file

fptr = fopen(filename, "r");

if (fptr == NULL)

{

printf("\ngrep: %s No such file or directory",filename);

exit(0);

}

// Read contents from file to str

\*ch = fgetc(fptr);

while(\*ch != EOF)

{

strcat(str,ch);

\*ch = fgetc(fptr);

}

printf("\n%s",str);

fclose(fptr);

int str\_len = strlen(str);

for(i=0;i<= (str\_len-search\_len);i++)

{

strcpy(word,"");

for(j=0;j<search\_len;j++)

{

ch[0] = str[i+j];

strcat(word,ch);

}

if(!strcmp(word,search))

count++;

}

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

}