FILE HANDLING

1)Search for Vowels in Given File:

#include<stdio.h>

void main()

{

char ch;

int i;

FILE \*fptr;

fptr=fopen("D:\\compuhelp\\india.txt","r");

if(fptr==NULL)

{

printf("\n File could not be opened ");

}

else

{

for(i=0;ch!=EOF;i++)

{

ch=fgetc(fptr);

if(ch=='a' || ch=='A' || ch=='e' || ch=='E' || ch=='i' || ch=='I' || ch=='o' || ch=='O'

|| ch=='u' || ch=='U' )

{

printf("%c",ch);

}

/\*if(ch==EOF)

break;\*/

}

}

printf("\nThe file contains the following Vowels");

fclose(fptr);

}

2)Search for Capital letters in a file through file handling:

#include<stdio.h>

void main()

{

char ch;

int i;

FILE \*fptr;

fptr=fopen("D:\\compuhelp\\india.txt","r");

if(fptr==NULL)

{

printf("\n File could not be opened ");

}

else

{

for(i=0;ch!=EOF;i++)

{

ch=fgetc(fptr);

if(ch>= 'A' && ch<= 'Z' )

{

printf("%c",ch);

}

/\*if(ch==EOF)

break;\*/

}

}

printf("\nThe file contains the following Capital Alphabets ");

fclose(fptr);

}

3)Search for small letters in a file through file handling:

#include<stdio.h>

void main()

{

char ch;

int i;

FILE \*fptr;

fptr=fopen("D:\\compuhelp\\india.txt","r");

if(fptr==NULL)

{

printf("\n File could not be opened ");

}

else

{

for(i=0;ch!=EOF;i++)

{

ch=fgetc(fptr);

if(ch>= 'a' && ch<= 'z' )

{

printf("%c",ch);

}

/\*if(ch==EOF)

break;\*/

}

}

printf("\nThe file contains the following Small Alphabets");

fclose(fptr);

}

4)Count Number of Line in a file through file handling:

#include<stdio.h>

void main()

{

char ch;

int i;

FILE \*fptr;

int linesCount=0;

fptr=fopen("D:\\compuhelp\\friendclass.cpp","r");

if(fptr==NULL)

{

printf("\n File could not be opened ");

}

else

{

for(i=0;ch!=EOF;i++)

{

ch=fgetc(fptr);

if(ch=='\n')

linesCount++;

/\*if(ch==EOF)

break;\*/

}

}

printf("Total number of lines are: %d\n",linesCount);

fclose(fptr);

}

5)Taking input through Structure in File Handling

#include<stdio.h>

struct student

{

char name[20];

int rollno;

float fee;

};  
void main()

{

int n,i;

printf("Enter number of elements:");

scanf("%d",&n);

struct student obj[n];

FILE \*fptr;

fptr=fopen("D:\\compuhelp\\aug1.txt","w");

//fptr=fopen("D:\\compuhelp\\aug1.txt","r");

for(i=0;i<n;i++)

{

printf("Enter rollno");

scanf("%d",&obj[i].rollno);

printf("Enter fee");

scanf("%f",&obj[i].fee);

printf("Enter name");

scanf("%s",&obj[i].name);

}

for(i=0;i<n;i++)

{

fprintf(fptr,"%s\t%d\t%f\t\n",obj[i].rollno,obj[i].name,obj[i].fee);

}

fclose(fptr);

}