1. **Write a Program to read character from file.**

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

void main( )

{

FILE \*fp;

char ch;

fp = fopen("char.doc","r"); /\* open for reading \*/

if(fp==NULL)

{

printf("FILE CAN NOT BE OPENED..!!");

exit(0);

}

while(1)

{

ch=fgetc(fp);

if(ch==EOF)

break;

printf(" %c",ch);

}

fclose(fp); /\* close the file before ending program \*/

}

1. **Write a Program to write character to file.**

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

void main( )

{

FILE \*fp;

char ch;

fp = fopen("char.doc","w"); /\* open for writing \*/

if(fp==NULL)

{

printf("FILE CAN NOT BE OPENED..!!");

exit(0);

}

while(1)

{

scanf("%c",&ch);

if(ch=='\*')

break;

fputc(ch,fp);

}

fclose(fp); /\* close the file before ending program \*/

}

1. **Write a program to read string to file**

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

void main( )

{

FILE \*fp;

char ch[20];

fp = fopen("string.doc","r"); /\* open for writing \*/

if(fp==NULL)

{

printf("FILE CAN NOT BE OPENED..!!");

exit(0);

}

fgets(ch,5,fp);

printf("Read STRING is: ");

puts(ch);

fclose(fp); /\* close the file before ending program \*/

}

1. **Write a program to write string to file**

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

void main( )

{

FILE \*fp;

char ch[20];

fp = fopen("string.doc","w"); /\* open for writing \*/

if(fp==NULL)

{

printf("FILE CAN NOT BE OPENED..!!");

exit(0);

}

printf("ENTER ANY STRING: ");

gets(ch);

fputs(ch,fp);

fclose(fp); /\* close the file before ending program \*/

}

1. **Write a program to write integer to file**

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

void main( )

{

FILE \*fp;

int no;

fp = fopen("int.doc","w"); /\* open for writing \*/

if(fp==NULL)

{

printf("FILE CAN NOT BE OPENED..!!");

exit(0);

}

while(1)

{

scanf("%d",&no);

if(no==99)

break;

putw(no,fp);

}

fclose(fp); /\* close the file before ending program \*/

}

1. **Write a program to read integer from file**

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

void main( )

{

FILE \*fp;

int no;

fp = fopen("int.doc","r"); /\* open for writing \*/

if(fp==NULL)

{

printf("FILE CAN NOT BE OPENED..!!");

exit(0);

}

while(1)

{

no=getw(fp);

if(no==EOF)

break;

printf("\n%d",no);

}

fclose(fp); /\* close the file before ending program \*/

}

1. **Write a program to use fscanf**

#include<stdio.h>

#include<stdlib.h>

struct student

{

int rn;

char name[20];

}s[3];

void main()

{

FILE \*fp;

int i;

fp=fopen("student.doc","r");

if(fp==NULL)

{

printf("FILE CAN NOT BE OPENED..!!");

exit(0);

}

for(i=0;i<3;i++)

{

fscanf(fp,"%s %d",s[i].name,&s[i].rn);

printf("\n\nRecord of new Student:%d",i+1);

printf("\nthe name is: ");

puts(s[i].name);

printf("\nRoll no is: ");

printf("%d",s[i].rn);

}

}

1. **Write a program to use fprintf**

#include<stdio.h>

#include<string.h>

void main( )

{

FILE \*fp;

char stuff[25];

int index;

fp = fopen("TENLINES.doc","w"); /\* open for writing \*/

strcpy(stuff,"This is an example line.");

for (index = 1; index <= 10; index++)

{

fprintf(fp,"%s Line number %d\n", stuff, index);

}

fclose(fp); /\* close the file before ending program \*/

}

1. **Write a program to copy one file to another**

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

void main( )

{

FILE \*f1,\*f2;

char ch;

f1 = fopen("char.doc","r"); /\* open for writing \*/

if(f1==NULL)

{

printf("FILE CAN NOT BE OPENED..!!");

exit(0);

}

f2 = fopen("char\_copy.doc","w");

if(f2==NULL)

{

printf("FILE CAN NOT BE OPENED..!!");

exit(0);

}

while(1)

{

ch=fgetc(f1);

if(ch==EOF)

break;

fputc(ch,f2);

}

fclose(f1); /\* close the file before ending program \*/

fclose(f2); /\* close the file before ending program \*/

}

1. **Sample program of student with help of fprintf**

#include<stdio.h>

#include<stdlib.h>

struct student

{

int rn;

char name[20];

}s[3];

void main()

{

FILE \*fp;

int i;

fp=fopen("student.doc","w");

if(fp==NULL)

{

printf("FILE CAN NOT BE OPENED..!!");

exit(0);

}

for(i=0;i<3;i++)

{

printf("\n Enter record for new Student:%d",i+1);

printf("\nEnter the name: ");

fflush(stdin);

gets(s[i].name);

printf("\n Enter Roll no: ");

scanf("%d",&s[i].rn);

fprintf(fp,"\n%15s %15d",s[i].name,s[i].rn);

}

}

1. **Write a program to use append mode**

#include<stdio.h>

#include<stdlib.h>

struct student

{

int rn;

char name[20];

}s[3];

void main()

{

FILE \*fp;

int i;

fp=fopen("student.doc","a");

if(fp==NULL)

{

printf("FILE CAN NOT BE OPENED..!!");

exit(0);

}

for(i=0;i<3;i++)

{

printf("\n Enter record for new Student:%d",i+1);

printf("\nEnter the name: ");

fflush(stdin);

gets(s[i].name);

printf("\n Enter Roll no: ");

scanf("%d",&s[i].rn);

fprintf(fp,"\n%15s %15d",s[i].name,s[i].rn);

}

}

1. **Write a Program to enter interger no and sepaterate them with even and odd file**.

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

void main( )

{

FILE \*f1,\*f2,\*f3;

int no;

f1 = fopen("int.doc","r"); /\* open for writing \*/

if(f1==NULL)

{

printf("FILE CAN NOT BE OPENED..!!");

exit(0);

}

else

{

f2 = fopen("even.doc","w");

f3 = fopen("odd.doc","w");

while(no!=EOF)

{

no=getw(f1);

if(no%2==0)

{

putw(no,f2);

}

else

{

putw(no,f3);

}

}

}

fclose(f1); /\* close the file before ending program \*/

fclose(f2);

fclose(f3);

f2 = fopen("even.doc","r");

f3 = fopen("odd.doc","r");

printf("Content of even");

while(1)

{

no=getw(f2);

if(no==EOF)

break;

printf("\n%d",no);

}

printf("Content of odd");

while(1)

{

no=getw(f3);

if(no==EOF)

break;

printf("\n%d",no);

}

fclose(f2);

fclose(f3);

}