**Practical-2**

**Definition: Implement file handling program**

**Code: (Write to a file and read from it)**

#include<stdio.h>

#include<conio.h>

#include<stdlib.h>

void main(){

char ch;

FILE \*fp;

clrscr();

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

printf("Enter string till $");

while(1){

scanf("%c",&ch);

if(ch == '$')

break;

fputc(ch,fp);

}

fclose(fp);

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

printf("\nContent of the name.txt file is\n");

printf("String\n");

do{

ch = fgetc(fp);

putchar(ch);

}

while(ch != EOF);

fcloseall();

getch();

}

/\*

Output

Enter string till $hello world is too common$

Content of the name.txt file is

String

hello world is too common

\*/

**Practical-2.1**

**Code: (Take integers as input from user, store it to a file and sort them as odd and even in two separate files, name odd and even respectively and display it to the user.)**

#include<stdio.h>

#include<conio.h>

#include<stdlib.h>

void main(){

FILE \*fp,\*o1,\*e1;

int numbers,n,i;

clrscr();

printf("Enter n");

scanf("%d",&n);

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

for(i=1;i<=n;i++){

printf("\n Enter numbers:");

scanf("%d",&numbers);

putw(numbers,fp);

}

fclose(fp);

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

printf("\nNumbers are:");

while((numbers = getw(fp)) != EOF)

printf(" %4d",numbers);

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

o1 = fopen("Odd.txt","w");

e1 = fopen("Even.txt","w");

while((numbers = getw(fp)) != EOF){

if(numbers %2 == 0)

putw(numbers, e1);

else

putw(numbers, o1);

}

fcloseall();

o1 = fopen("Odd.txt","r");

e1 = fopen("Even.txt","r");

printf("\n Odd numbers are:");

while((numbers = getw(o1)) != EOF)

printf("%4d",numbers);

printf("\n Even numbers are:");

while((numbers = getw(e1)) != EOF)

printf("%4d",numbers);

fcloseall();

getch();

}

/\*

Output

Enter n5

Enter numbers:10

Enter numbers:2

Enter numbers:8

Enter numbers:1

Enter numbers:12

Numbers are: 10 2 8 1 12

Odd numbers are: 1

Even numbers are: 10 2 8 12

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