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
*/
```