

Lab -3

1. WAP to store characters in a “data.txt” file and display then using getc() and putc() function.

```
#include<stdio.h>

void main()
{
    char ch;
    FILE *FP;
    clrscr();
    fp = fopen (“data.txt”, ”w”);
    printf(“start entering characters (press ctrl+z for stopping)”);
    while ((ch=getchar())!=EOF)
    {
        putc(ch,fp);
    }
    fclose(fp);
    fp = fopen(“data.txt”, ”r”);
    printf(“data from file is displayed beiw\n”);
    while((ch=getc(fp)!=EOF)
    {
        putchar(ch);
    }
    fclose(fp);
    getch();
}
```

2. WAP to display the use of getw () and putw() function.

```
#include<stdio.h>
void main()
{
int x, i, n;
FILE *fp;
clrscr();
fp = fopen("xtz.txt","w");
printf("How many number ?=");
scanf("%d",&n);
printf("start entering number");
for(i=0;i<n;i++)
{
scanf("%d",&x);
putw(x, fp);
}
pclose(fp);
fp= fopen("xyz.txt","r");
printf("data from file is displayed below\n");
while((x=getw(fp))!=EOF)
{
printf("%5d",x);
}
fclose (fp);
getch();
}
```

3. WAP to store roll , name, address and percentage of n students in “student.txt” file and display roll , name & address of student having percentage between 60-80.

```
#include<stdio.h>
void main()
{
int roll, per, n ,i;
char name[30], add[30];
FILE *fp;
clrscr();
printf("How many record ?=");
scanf("%d" ,&n);
fp =fopen("student.txt","w");
for(i=0;i<n;i++)
{
printf("Enter roll no=");
scanf("%d", &roll);
printf("Enter name=");
scanf("%s", name);
printf("Enter address=");
scanf("%s", add);
printf("Enter percentage=");
scanf("%d", &per);
printf(fp,"%d\t%s\t%s\t%d\n",roll,name,add,per);
}
fclose(fp);
fp=fopen("student.txt","r");
printf("Records from file are displayed below\n");
while((fscanf(fp,"%d\t%s\t%s\t%d\n",&roll,name,add,&per))!=EOF)
{
if(per>=60&&per<=80)
{
printf("roll=%d\tname=%s\tadd=%s\tper%d\n",roll,name,add,per);
}
}
fclose(fp);
getch();
}
```

4. From a “student.txt”,WAP to find out the record of any particular student according to its roll number it found.

```
#include<stdio.h>
void main()
{
int roll, per, flag=0,x;
char name[30],add[30];
FILE *fp;
clrscr();
fp=fopen("student.txt", "r");
printf("Enter roll no to search=");
scanf("%d", &x);
while((fscanf(fp,"%d\t%s\t%s\t%d\n", &roll,name,add,&per))!=EOF)
{
if(roll==x)
{
flag=1
printf "roll=%d\tname=%s\tadd=%s\tper%d\n", roll,name,add,per);
break;
}
}
if(flag==0)
{
printf("Record not found");
}
getch();
}
```