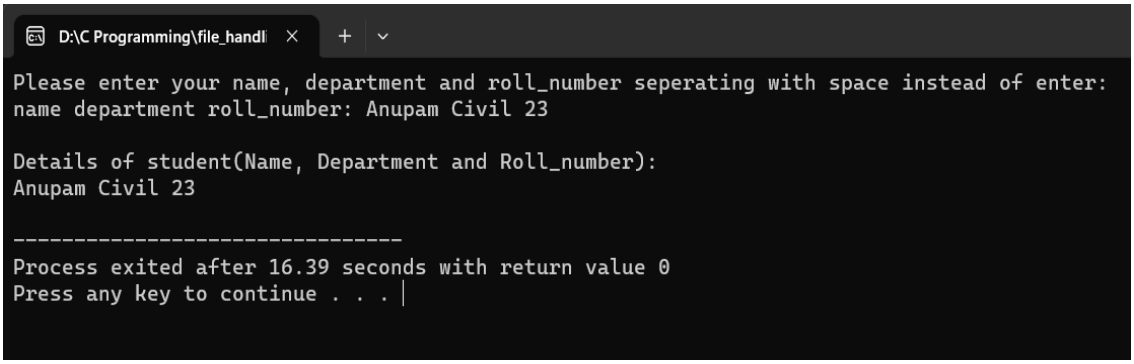
WAP in C that takes a student name, department and roll_number from console screen and write the information in a file with name student.txt by using single and also display the content of the file using character input output in file.

```
#include<stdio.h>
#include<stdlib.h>
int main(){
   FILE *fp;
   fp=fopen("student.txt","w");
   if(fp==NULL){
      printf("Error opening file!!!");
      exit(1);
   }
   char x;
   printf("Please enter your name, department and roll_number seperating with space instead
of enter:\n");
   printf("name department roll_number: ");
   do{
    x=getchar();
    fputc(x,fp);
   }while(x!='\n');
   printf("\n");
   fclose(fp);
   fp=fopen("student.txt","r");
   if(fp==NULL){
      printf("Error opening file!!!");
      exit(1);
   }
   printf("Details of student(Name, Department and Roll_number):\n");
   while(1){
      x=fgetc(fp);
      if(x==EOF)
                  {
         break;
      }
      putchar(x);
   }
   fclose(fp);
   return 0;
}
```



WAP in C to read the subjects in 1st semester civil and write it into a file sub.txt and display the content of the file by using string input output function in file.

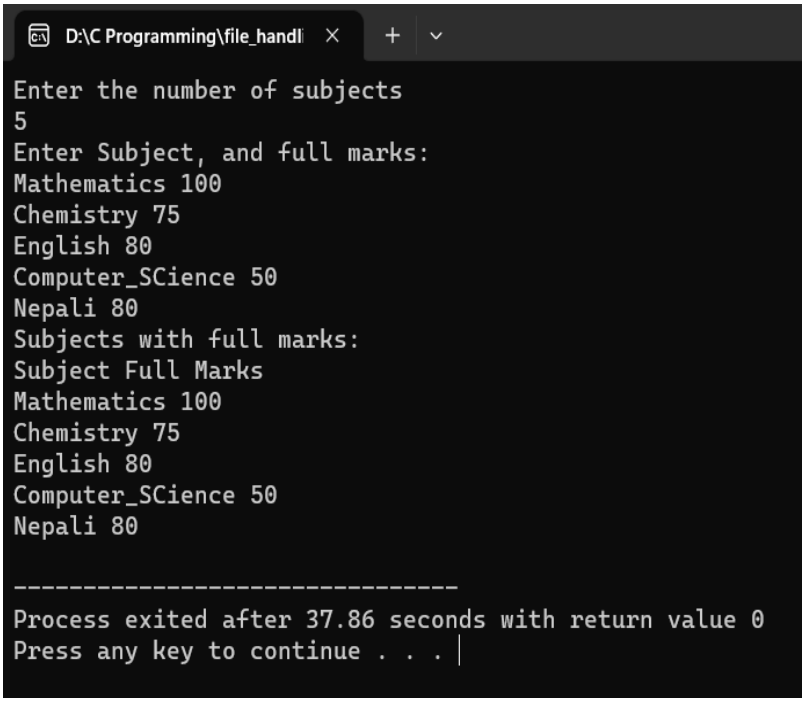
```
#include<stdio.h>
#include<stdlib.h>
int main(){
   FILE *s;
   s=fopen("sub.txt","w");
   if(s==NULL){
      printf("Error opening file!!!");
      exit(1);
   }
   char sub[20];
   int i;
   for(i=0;i<6;++i){
     printf("Subject %d:",1+i);
     scanf("%s",sub);
     fputs(sub,s);
     fputs("\n",s);
   }
   fclose(s);
   s=fopen("sub.txt","r");
   if(s==NULL){
      printf("Error opening file!!!");
      exit(1);
   }
   i=0;
   printf("The Subjects are:\n");
   while(feof(s)==0){
      fgets(sub,20,s);
      if(feof(s)==0){
         printf("%s",sub);
      }
      ++i;
   }
   fclose(s);
  return 0;
}
```

```
D:\C Programming\file_handli
Subject 1:Mathematics
Subject 2:Chemistry
Subject 3:Computer_Programming
Subject 4:Drawing
Subject 5:Heat_and_Thermodynamics
Subject 6:Workshop
The Subjects are:
Mathematics
Chemistry
Computer_Programming
Drawing
Heat_and_Thermodynamics
Workshop

--------------------------------
Process exited after 38.36 seconds with return value 0
Press any key to continue . . .
```

WAP in C to write subjects with full marks in a file exam.txt taking details from console screen and ask the user for the number of subjects to enter then print the subject with full marks.

```
#include<stdio.h>
#include<stdlib.h>
int main()
{
char subject[20];
int n,i,m;
FILE *t;
t=fopen("exam.txt","w");
if(t==NULL)
{
printf("Error opening file!!!");
exit(1);
}
printf("Enter the number of subjects\n");
scanf("%d",&n);
printf("Enter Subject, and full marks:\n");
for(i=0;i<n;i++)
{
scanf("%s%d",subject,&m);
fprintf(t,"%s %d\n",subject,m);
}
fclose(t);
t=fopen("exam.txt","r");
printf("Subjects with full marks:\n");
printf("Subject\tFull Marks\n");
while(fscanf(t,"%s %d",subject,&m)!=EOF)
{
printf("%s %d\n",subject,m);
}
fclose(t);
return 0;
}
```



WAP in C to write the details of employee in a file by taking input from user and read the details of the employee and display in screen.

```
#include<stdio.h>
#include<stdlib.h>
struct employee
{
char name[50];
int salary;
float workhour;
};
int main()
{
int i,n;
struct employee e[10];
FILE *fp;
fp=fopen("employee.txt","wb");
if(fp==NULL)
{
printf("Error opening file!!!");
exit(1);
}
printf("Enter no. of employee\n");
scanf("%d",&n);
for (i=1;i<=n;i++)
{
printf("Enter Name, Salary, Workhour: \n");
scanf("%s%d%f",e[i].name,&e[i].salary, &e[i].workhour);
fwrite (&e[i], sizeof(struct employee), 1, fp);
}
fclose(fp);
fp=fopen("employee.txt","rb");
printf("Current Contents of the file\n");
printf("Name\tSalary\tWorkhour\n");
i=0;
while (fread(&e[i],sizeof(struct employee),1,fp)==1)
{
printf("%s\t%d\t%.1f\n",e[i].name,e[i].salary, e[i].workhour);
i++;
}
fclose(fp);
return 0;
}
```

```
D:\C Programming\file_handli
Enter no. of employee
4
Enter Name, Salary, Workhour:
Hari 50000 8.5
Enter Name, Salary, Workhour:
Shyam 45000 8.5
Enter Name, Salary, Workhour:
Gopal 60000 6.5
Enter Name, Salary, Workhour:
Krishna 55000 7
Current Contents of the file
Name    Salary  Workhour
Hari    50000   8.5
Shyam   45000   8.5
Gopal   60000   6.5
Krishna 55000   7.0

--------------------------------
Process exited after 45.75 seconds with return value 0
Press any key to continue . . .
```