Addignment - 10.
the state of the s
Problem Statement -
Department maintains voludent information
the file contains rollno, name, division and
address. Allow user to add, delete, aearch
student details. If record does not social,
frint a fearticular mexage. Vae sequential file
for implementing file handling.
with the state of the
Orienting.
To atudy and implement file handling
rokerations.
f months and a market
Outcome -
14 1: 1 1 impolance of file handling
operatione maing aguential file, which can be used
for various applications
Constitution and the same of t
6/w & n/w Requirement -
Dell Oftifeles 3020 MT, Keyboard, Monitor.
Fedora 20, Edifere:
Federa 20, Ecliptel.
Theory-
File is a extream of leytes. Size of file
is expressed in number of lytes. Dequential file
I have in which records rare added in
order of arrival. Length of record us not fixed.
dearch is time roncuming.
Inacrtion, deletion is time consuming.
V

Random File -We can read/write a franticular word without having read forair fremission records. We can position file do a franticular location. Modes - v ios: in - Read from file ios: out - write to file ies: ale - Go to end ise: after Afgrend to end of file is: drunc - Truncale file ies: binary - Treat file as binary Class Structure class phoneBook ? char name[10], add[10]; int dir, roll; feublic: void getdata(); void ahowdata (); char * getname () { veturn name; } int getroll () { creturn roll; 3 vaid update (); 3; Paendocodes -Add a student record -I schoneBook rec; fatream file; rec. getdata(); rein. get (, ch); file. open ("data. dat"; ios:: ale lios:: in lios:: out);. que file. write ((char *) & rec, aireof (rec);

```
file. acekg (0, ios: beg);
     rout < " Records - " < condi; major what
     while (file) E. and war with
       spile. read ( cohar +) & rec, sireof (rec));
        if (! file. eaf ()) {
          rec. ahowdata ();
      file. clear ();
  bearch record on basis of roll no. -
3.
      rout < "Enter roll no." (cendl;
       rin >> roll;
        file. seeky (0, ios:: beg); >>
       while ( file read ( char *) & rec, xires (rec)))
          if (roll == eec. getroll()) {
          rec. «howdata (); break;
       file : clear(); tradenting
       if (found == 0)
           rout << " Record not found! " << end! "
```

```
4. Delete a record-

fatream of;

fl. open (newname, ios:: out);

rout << "Enter roll no to be deleted" ccendl;

rout << "Enter roll no to be deleted" ccendl;

rin >> roll;

found = 0;

white (file read (char *) & rec, aire of (rec)) }

if (roll == rec. getroll()) {

found = 1;

ronlinue;

}

fl. write (char *) & rec, aire of (rec));

rout << remove (roldname);

yl. rlace ();

rout << remove (roldname);
```

Cade	Expected 0/P	Actual O/P
1. Add student	Added successfully	ducess
1. Add student name: a, Rouno.=1 Addrew = MH	to file.	
2. Search setudend Row no = 4	retudent not found!	duness
3. Display aludent data	name = a	Sunes
	roll no. = 1 address = MH	
4. Delete (rall no.=1)	Data deleted successfully	Succes

Conclusion - We have successfully implemented file brandling ofseration using sequential file.