Compiling:

Store main.cpp and student_data.txt in same directory and compile using any c++ compiler with c++14 and above.

Output:

```
Load Successful
Enter Choice:
1.Insert
2.Delete
3.Search
4.Update
5.Display
5
ID          Name            Address         Mail                        Phone       Course  Branch  DOB

02          Aayushi         Delhi           aayushi@gmail.com           7022773055  BE      CS      7/10/2000
10          Arya            Mysuru          arya@gmail.com              9865321458  MS      CS      27/02/2000
17          Kartik          Kumta           kartiknnayak2000@gmail.com  7022773055  BE      CS      26/08/2000
18          Keerthana       Gauribidanur    keerthana@gmail.com         9854126758  BE      CS      11/07/2000
21          Narayan         Karwar          narayan@gmail.com           8569741256  PHD     CS      16/05/2000
23          Pareekshith     Mysuru          pareekshithjain@gmail.com   8745213659  BE      IS      21/07/2000
26          Prateek         Mysuru          prateekc@gmail.com          9865326598  BE      IS      27/09/2000
27          Kiran           Mysuru          kiran@gmail.com             8653214586  PHD     CS      08/01/2001
30          Rajath          Mysuru          rajathrrao@gmail.com        7052145685  MS      CS      16/06/2000
32          Rishitha        Mysuru          rishitha@gmail.com          8569741232  BE      CS      08/11/2000
40          Shriya          Hyderabad       shriya@gmail.com            7022773055  BE      CS      26/08/2000
51          Vidyasagar      Shivmoga        vidyasagar@gmail.com        9865412875  BE      EC      14/05/2000
Enter Choice:
1.Insert
2.Delete
3.Search
4.Update
5.Display
1
Enter ID
01
Enter Name
abc
Enter Address
bengaluru
Enter Mail
abc@gmail.com
Enter Phone
7022776045
Enter Course
PHD
Enter Branch
IS
Enter DOB(dd/mm/yyyy)
26/05/1998
Enter Choice:
1.Insert
2.Delete
3.Search
4.Update
5.Display
```

```
Enter DOB(dd/mm/yyyy)
26/05/1998
Enter Choice:
1.Insert
2.Delete
3.Search
4.Update
5.Display
5
ID              Name                    Address             Mail                            Phone           Course  Branch  DOB

01              abc                     bengaluru           abc@gmail.com                   7022776045      PHD     IS      26/05/1998
02              Aayushi                 Delhi               aayushi@gmail.com               7022773055      BE      CS      7/10/2000
10              Arya                    Mysuru              arya@gmail.com                  9865321458      MS      CS      27/02/2000
17              Kartik                  Kumta               kartiknnayak2000@gmail.com      7022773055      BE      CS      26/08/2000
18              Keerthana               Gauribidanur        keerthana@gmail.com             9854126758      BE      CS      11/07/2000
21              Narayan                 Karwar              narayan@gmail.com               8569741256      PHD     CS      16/05/2000
23              Pareekshith             Mysuru              pareekshithjain@gmail.com       8745213659      BE      IS      21/07/2000
26              Prateek                 Mysuru              prateekc@gmail.com              9865326598      BE      IS      27/09/2000
27              Kiran                   Mysuru              kiran@gmail.com                 8653214586      PHD     CS      08/01/2001
30              Rajath                  Mysuru              rajathrrao@gmail.com            7052145685      MS      CS      16/06/2000
32              Rishitha                Mysuru              rishitha@gmail.com              8569741232      BE      CS      08/11/2000
40              Shriya                  Hyderabad           shriya@gmail.com                7022773055      BE      CS      26/08/2000
51              Vidyasagar              Shivmoga            vidyasagar@gmail.com            9865412875      BE      EC      14/05/2000
Enter Choice:
1.Insert
2.Delete
3.Search
4.Update
5.Display
2
Delete using
1.ID
2.Name
3.Address
4.Mail
5.Phone
6.Course
7.Branch
8.DOB
Enter Choice:
2
Enter Name
abc
Successful
Enter Choice:
1.Insert
2.Delete
3.Search
4.Update
5.Display
```

```
5
ID                  Name                 Address              Mail                            Phone          Course   Branch   DOB

02                  Aayushi              Delhi                aayushi@gmail.com               7022773055     BE       CS       7/10/2000
10                  Arya                 Mysuru               arya@gmail.com                  9865321458     MS       CS       27/02/2000
17                  Kartik               Kumta                kartiknnayak2000@gmail.com      7022773055     BE       CS       26/08/2000
18                  Keerthana            Gauribidanur         keerthana@gmail.com             9854126758     BE       CS       11/07/2000
21                  Narayan              Karwar               narayan@gmail.com               8569741256     PHD      CS       16/05/2000
23                  Pareekshith          Mysuru               pareekshithjain@gmail.com       8745213659     BE       IS       21/07/2000
26                  Prateek              Mysuru               prateekc@gmail.com              9865326598     BE       IS       27/09/2000
27                  Kiran                Mysuru               kiran@gmail.com                 8653214586     PHD      CS       08/01/2001
30                  Rajath               Mysuru               rajathrrao@gmail.com            7052145685     MS       CS       16/06/2000
32                  Rishitha             Mysuru               rishitha@gmail.com              8569741232     BE       CS       08/11/2000
40                  Shriya               Hyderabad            shriya@gmail.com                7022773055     BE       CS       26/08/2000
51                  Vidyasagar           Shivmoga             vidyasagar@gmail.com            9865412875     BE       EC       14/05/2000
Enter Choice:
1.Insert
2.Delete
3.Search
4.Update
5.Display
3
Search using
1.ID
2.Name
3.Address
4.Mail
5.Phone
6.Course
7.Branch
8.DOB
Enter Choice:
7
Enter Branch
CS
ID                  Name                 Address              Mail                            Phone          Course   Branch   DOB
02                  Aayushi              Delhi                aayushi@gmail.com               7022773055     BE       CS       7/10/2000
10                  Arya                 Mysuru               arya@gmail.com                  9865321458     MS       CS       27/02/2000
17                  Kartik               Kumta                kartiknnayak2000@gmail.com      7022773055     BE       CS       26/08/2000
18                  Keerthana            Gauribidanur         keerthana@gmail.com             9854126758     BE       CS       11/07/2000
21                  Narayan              Karwar               narayan@gmail.com               8569741256     PHD      CS       16/05/2000
27                  Kiran                Mysuru               kiran@gmail.com                 8653214586     PHD      CS       08/01/2001
30                  Rajath               Mysuru               rajathrrao@gmail.com            7052145685     MS       CS       16/06/2000
32                  Rishitha             Mysuru               rishitha@gmail.com              8569741232     BE       CS       08/11/2000
40                  Shriya               Hyderabad            shriya@gmail.com                7022773055     BE       CS       26/08/2000
Enter Choice:
1.Insert
2.Delete
3.Search
4.Update
5.Display
```

```
1.Insert
2.Delete
3.Search
4.Update
5.Display
3
Search using
1.ID
2.Name
3.Address
4.Mail
5.Phone
6.Course
7.Branch
8.DOB
Enter Choice:
3
Enter Address
Mysuru
ID          Name            Address         Mail                        Phone       Course  Branch  DOB
10          Arya            Mysuru          arya@gmail.com              9865321458  MS      CS      27/02/2000
23          Pareekshith     Mysuru          pareekshithjain@gmail.com   8745213659  BE      IS      21/07/2000
26          Prateek         Mysuru          prateekc@gmail.com          9865326598  BE      IS      27/09/2000
27          Kiran           Mysuru          kiran@gmail.com             8653214586  PHD     CS      08/01/2001
30          Rajath          Mysuru          rajathrrao@gmail.com        7052145685  MS      CS      16/06/2000
32          Rishitha        Mysuru          rishitha@gmail.com          8569741232  BE      CS      08/11/2000
Enter Choice:
1.Insert
2.Delete
3.Search
4.Update
5.Display
```

```
1.Insert
2.Delete
3.Search
4.Update
5.Display
4
Enter ID of Student to update
17
Update
1.Name
2.Address
3.Mail
4.Phone
5.Course
6.Branch
7.DOB
8.Done
Enter Choice:
4
Enter Phone
7894563210
Update
1.Name
2.Address
3.Mail
4.Phone
5.Course
6.Branch
7.DOB
8.Done
Enter Choice:
3
Enter Mail
kartik@yahoo.com
Update
1.Name
2.Address
3.Mail
4.Phone
5.Course
6.Branch
7.DOB
8.Done
Enter Choice:
8
Enter Choice:
1.Insert
2.Delete
3.Search
4.Update
5.Display
```

```
Enter Choice:
1.Insert
2.Delete
3.Search
4.Update
5.Display
5
ID              Name              Address          Mail                           Phone         Course  Branch  DOB

02              Aayushi           Delhi            aayushi@gmail.com              7022773055    BE      CS      7/10/2000
10              Arya              Mysuru           arya@gmail.com                 9865321458    MS      CS      27/02/2000
17              Kartik            Kumta            kartik@yahoo.com               7894563210    BE      CS      26/08/2000
18              Keerthana         Gauribidanur     keerthana@gmail.com            9854126758    BE      CS      11/07/2000
21              Narayan           Karwar           narayan@gmail.com              8569741256    PHD     CS      16/05/2000
23              Pareekshith       Mysuru           pareekshithjain@gmail.com      8745213659    BE      IS      21/07/2000
26              Prateek           Mysuru           prateekc@gmail.com             9865326598    BE      IS      27/09/2000
27              Kiran             Mysuru           kiran@gmail.com                8653214586    PHD     CS      08/01/2001
30              Rajath            Mysuru           rajathrrao@gmail.com           7052145685    MS      CS      16/06/2000
32              Rishitha          Mysuru           rishitha@gmail.com             8569741232    BE      CS      08/11/2000
40              Shriya            Hyderabad        shriya@gmail.com               7022773055    BE      CS      26/08/2000
51              Vidyasagar        Shivmoga         vidyasagar@gmail.com           9865412875    BE      EC      14/05/2000
Enter Choice:
1.Insert
2.Delete
3.Search
4.Update
5.Display
9

Process returned 0 (0x0)   execution time : 416.945 s
Press any key to continue.
```