

program demo

20226402 sinseongseop



When txt file is provided

C:\Users\seongseop\source\repos\OOP-Project1\Wx64\Debug\OOP-Project1.exe

Select the number corresponding to the feature you desire.

1. Insertion
2. Search
3. Sorting Option
4. Exit

2

- Search

1. Search by name
2. Search by student ID (10 numbers)
3. Search by admission year (4 numbers)
4. Search by department name
5. List All

5

Name	StudentID	Dept	Birth Year	Tel
aaron	2021111111	soft	-	-
alexander	2022011111	physics	2000	-
angle	2018111111	math	2000	-
cow	2018158011	math	2003	01011110000
dragon	2021567890	physics	2002	01055551111
evan	2019123456	electronic	1999	01122223333
orange	2223222222	chemical	1999	01012344321
seongseop	2022000000	soft	2002	01000001111

Select the number corresponding to the feature you desire.

1. Insertion
2. Search
3. Sorting Option
4. Exit

file1 - Windows 메모장

파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)

aaron/2021111111/soft/-/-
orange/2223222222/chemical/1999/01012344321
dragon/2021567890/physics/2002/01055551111
alexander/2022011111/physics/2000/-
cow/2018158011/math/2003/01011110000
angle/2018111111/math/2000/-
seongseop/2022000000/soft/2002/01000001111
evan/2019123456/electronic/1999/01122223333

<

Ln 1, Col 1

Insertion (correct input)

Select the number corresponding to the feature you desire.

1. Insertion
2. Search
3. Sorting Option
4. Exit

1

Name ? : boss

Student ID (10 digits)? : 2020123412

Department(no information, please enter '-') ? : chemical

Birth Year(4 digits)(no information, please enter '-') ? : 2001

Tel ?(no information, please enter '-') :01011112222

Select the number corresponding to the feature you desire.

1. Insertion
2. Search
3. Sorting Option
4. Exit

2

- Search

1. Search by name
2. Search by student ID (10 numbers)
3. Search by admission year (4 numbers)
4. Search by department name
5. List All

5

Name	StudentID	Dept	Birth Year	Tel
aaron	2021111111	soft	-	-
alexander	2022011111	physics	2000	-
angle	2018111111	math	2000	-
boss	2020123412	chemical	2001	01011112222
cow	2018158011	math	2003	01011110000
dragon	2021567890	physics	2002	01055551111
evan	2019123456	electronic	1999	01122223333
orange	2223222222	chemical	1999	01012344321
seongseop	2022000000	soft	2002	01000001111



Update file when exit

```
5
Name      StudentID  Dept      Birth Year  Tel
aaron     2021111111 soft      -          -
alexander 2022011111 physics   2000      -
angle     2018111111 math      2000      -
boss      2020123412 chemical  2001      01011112222
cow       2018158011 math      2003      01011110000
dragon    2021567890 physics   2002      01055551111
evan      2019123456 electronic 1999      01122223333
orange    2223222222 chemical  1999      01012344321
seongseop 2022000000 soft      2002      01000001111
```

Select the number corresponding to the feature you desire.

1. Insertion
2. Search
3. Sorting Option
4. Exit

4

Thank you for using my program. Closing the program.

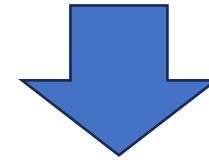
C:\Users\seongseop\source\repos\00P-Project1\x64\Debug\00P-Project1.exe(프로세스 39452개)이(가)

이 창을 닫으려면 아무 키나 누르세요...

file1 - Windows 메모장

파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)

```
aaron/2021111111/soft/-/-
orange/2223222222/chemical/1999/01012344321
dragon/2021567890/physics/2002/01055551111
alexander/2022011111/physics/2000/-
cow/2018158011/math/2003/01011110000
angle/2018111111/math/2000/-
seongseop/2022000000/soft/2002/01000001111
evan/2019123456/electronic/1999/01122223333
```



file1 - Windows 메모장

파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)

```
aaron/2021111111/soft/-/-
orange/2223222222/chemical/1999/01012344321
dragon/2021567890/physics/2002/01055551111
alexander/2022011111/physics/2000/-
cow/2018158011/math/2003/01011110000
angle/2018111111/math/2000/-
seongseop/2022000000/soft/2002/01000001111
evan/2019123456/electronic/1999/01122223333
boss/2020123412/chemical/2001/01011112222
```

Insertion (incorrect input)

```
Name ? : cow
Student ID (10 digits)? : 202112341
Student ID should be exactly 10 digits where first 4 digits represent admission year.
Student ID (10 digits)? : 2022000000
Error : Same id is already inserted. Enter a different id
Student ID (10 digits)? : 2022123412
Department(no information, please enter '-') ? : -
Birth Year(4 digits)(no information, please enter '-') ? : 201
Birth Year" should be exactly 4 digits or empty
Birth Year(4 digits)(no information, please enter '-') ? : 2001
Tel ?(no information, please enter '-') :0100003333
```

Select the number corresponding to the feature you desire.

1. Insertion
2. Search
3. Sorting Option
4. Exit

2

- Search

1. Search by name
2. Search by student ID (10 numbers)
3. Search by admission year (4 numbers)
4. Search by department name
5. List All

5

Name	StudentID	Dept	Birth Year	Tel
aaron	2021111111	soft	-	-
alexander	2022011111	physics	2000	-
angle	2018111111	math	2000	-
boss	2020123412	chemical	2001	01011112222
cow	2018158011	math	2003	01011110000
cow	2022123412	-	2001	0100003333
dragon	2021567890	physics	2002	01055551111
evan	2019123456	electronic	1999	01122223333
orange	2223222222	chemical	1999	01012344321
seongseop	2022000000	soft	2002	01000001111



sorting

Select the number corresponding to the feature you desire.

1. Insertion
2. Search
3. Sorting Option
4. Exit

- 3
- Sorting Option-
1. Sort by Name
 2. Sort by Student ID
 3. Sort by Admission Year
 4. Sort by Department name

ID

Select the number corresponding to the feature you desire.

1. Insertion
2. Search
3. Sorting Option
4. Exit

- 2
- Search
1. Search by name
 2. Search by student ID (10 numbers)
 3. Search by admission year (4 numbers)
 4. Search by department name
 5. List All

5

Name	StudentID	Dept	Birth Year	Tel
angle	2018111111	math	2000	-
cow	2018158011	math	2003	01011110000
evan	2019123456	electronic	1999	01122223333
boss	2020123412	chemical	2001	01011112222
aaron	2021111111	soft	-	-
dragon	2021567890	physics	2002	01055551111
seongseop	2022000000	soft	2002	01000001111
alexander	2022011111	physics	2000	-
cow	2022123412	-	2001	0100003333
orange	2223222222	chemical	1999	01012344321

- Sorting Option-
1. Sort by Name
 2. Sort by Student ID
 3. Sort by Admission Year
 4. Sort by Department name

Department
name

Select the number corresponding to the feature you desire.

1. Insertion
2. Search
3. Sorting Option
4. Exit

- 2
- Search
1. Search by name
 2. Search by student ID (10 numbers)
 3. Search by admission year (4 numbers)
 4. Search by department name
 5. List All

5

Name	StudentID	Dept	Birth Year	Tel
cow	2022123412	-	2001	0100003333
boss	2020123412	chemical	2001	01011112222
orange	2223222222	chemical	1999	01012344321
evan	2019123456	electronic	1999	01122223333
angle	2018111111	math	2000	-
cow	2018158011	math	2003	01011110000
dragon	2021567890	physics	2002	01055551111
alexander	2022011111	physics	2000	-
aaron	2021111111	soft	-	-
seongseop	2022000000	soft	2002	01000001111

sorting

Select the number corresponding to the feature you desire.

- 1. Insertion
- 2. Search
- 3. Sorting Option
- 4. Exit

3

- Sorting Option-

- 1. Sort by Name
- 2. Sort by Student ID
- 3. Sort by Admission Year
- 4. Sort by Department name

3

Admission
year

Select the number corresponding to the feature you desire.

- 1. Insertion
- 2. Search
- 3. Sorting Option
- 4. Exit

2

- Search

- 1. Search by name
- 2. Search by student ID (10 numbers)
- 3. Search by admission year (4 numbers)
- 4. Search by department name
- 5. List All

5

Name	StudentID	Dept	Birth Year	Tel
angle	2018111111	math	2000	-
cow	2018158011	math	2003	01011110000
evan	2019123456	electronic	1999	01122223333
boss	2020123412	chemical	2001	01011112222
dragon	2021567890	physics	2002	01055551111
aaron	2021111111	soft	-	-
cow	2022123412	-	2001	0100003333
alexander	2022011111	physics	2000	-
seongseop	2022000000	soft	2002	01000001111
orange	2223222222	chemical	1999	01012344321

Select the number corresponding to the feature you desire.

- 1. Insertion
- 2. Search
- 3. Sorting Option
- 4. Exit

3

- Sorting Option-

- 1. Sort by Name
- 2. Sort by Student ID
- 3. Sort by Admission Year
- 4. Sort by Department name

1

Name

Select the number corresponding to the feature you desire.

- 1. Insertion
- 2. Search
- 3. Sorting Option
- 4. Exit


2

- Search

- 1. Search by name
- 2. Search by student ID (10 numbers)
- 3. Search by admission year (4 numbers)
- 4. Search by department name
- 5. List All

5

Name	StudentID	Dept	Birth Year	Tel
aaron	2021111111	soft	-	-
alexander	2022011111	physics	2000	-
angle	2018111111	math	2000	-
boss	2020123412	chemical	2001	01011112222
cow	2018158011	math	2003	01011110000
cow	2022123412	-	2001	0100003333
dragon	2021567890	physics	2002	01055551111
evan	2019123456	electronic	1999	01122223333
orange	2223222222	chemical	1999	01012344321
seongseop	2022000000	soft	2002	01000001111



search

```
Select the number corresponding to the feature you desire.
1. Insertion
2. Search
3. Sorting Option
4. Exit
2

- Search
1. Search by name
2. Search by student ID (10 numbers)
3. Search by admission year (4 numbers)
4. Search by department name
5. List All
2

id(10 numbers) keyword?: 2022000000
Name      StudentID  Dept      Birth Year  Tel
seongseop 2022000000 soft      2002       01000001111
```

Student
id

```
- Search
1. Search by name
2. Search by student ID (10 numbers)
3. Search by admission year (4 numbers)
4. Search by department name
5. List All
3

admission year (4 numbers) keyword?: 2022
Name      StudentID  Dept      Birth Year  Tel
alexander 2022011111 physics 2000       -
cow       2022123412 -        2001       0100003333
seongseop 2022000000 soft     2002       01000001111
```

Admission
year

```
- Search
1. Search by name
2. Search by student ID (10 numbers)
3. Search by admission year (4 numbers)
4. Search by department name
5. List All
2

id(10 numbers) keyword?: 1111000000
Name      StudentID  Dept      Birth Year  Tel
```

No
matched



search

- Search
- 1. Search by name
- 2. Search by student ID (10 numbers)
- 3. Search by admission year (4 numbers)
- 4. Search by department name
- 5. List All

name

1

name keyword?: cow

Name	StudentID	Dept	Birth Year	Tel
cow	2018158011	math	2003	01011110000
cow	2022123412	-	2001	0100003333

- Search
- 1. Search by name
- 2. Search by student ID (10 numbers)
- 3. Search by admission year (4 numbers)
- 4. Search by department name
- 5. List All

Department
name

4

department name keyword?: soft

Name	StudentID	Dept	Birth Year	Tel
aaron	2021111111	soft	-	-
seongseop	2022000000	soft	2002	01000001111



When txt file is not provided

The screenshot shows the Visual Studio IDE with the 'OOP-Project1 속성 페이지' (Properties Page) open. The '구성(C):' (Configuration) is set to '활성(Debug)' (Active(Debug)) and the '플랫폼(P):' (Platform) is set to 'x64'. The '시작할 디버거:' (Debugger to start) is set to '로컬 Windows 디버거' (Local Windows Debugger). The '디버깅' (Debugging) tab is selected, and the '명령 인수' (Command line arguments) field is highlighted with a red box and contains 'nofile.txt'. The 'File Explorer' view on the right shows the project files, with a red box around the 'x64' folder and the 'file1' file.

OOP-Project1 속성 페이지

구성(C): 활성(Debug) 플랫폼(P): x64 구성 관리자(O)...

시작할 디버거:

로컬 Windows 디버거

명령	\$(TargetPath)
명령 인수	nofile.txt
작업 디렉터리	\$(ProjectDir)
연결	아니요
디버거 형식	자동
환경	
환경 병합	예
SQL 디버깅	아니요
Amp 기본 액셀러레이터	WARP 소프트웨어 액셀러레이터

seongseop > source > repos > OOP-Project1 > OOP-Project1

이름	수정한 날짜	유형
x64	2023-10-08 오후 6:01	파일 폴더
file1	2023-10-09 오후 4:16	텍스트 둔
OOP-Project1.vcxproj	2023-10-09 오후 3:34	VC++ Pr
OOP-Project1.vcxproj.filters	2023-10-09 오후 3:34	VC++ Pr
OOP-Project1.vcxproj.user	2023-10-09 오후 4:21	Per-User
sort_test.cpp	2023-10-09 오후 2:26	C++ Sol
studentmanagement_seongseop.cpp	2023-10-09 오후 4:08	C++ Sol
test.cpp	2023-10-08 오후 10:19	C++ Sol
test1.cpp	2023-10-09 오후 2:56	C++ Sol

Select the number corresponding to the feature you desire.

1. Insertion
2. Search
3. Sorting Option
4. Exit

2

- Search

1. Search by name
2. Search by student ID (10 numbers)
3. Search by admission year (4 numbers)
4. Search by department name
5. List All

5

Name	StudentID	Dept	Birth Year	Tel
------	-----------	------	------------	-----

Select the number corresponding to the feature you desire.

1. Insertion
2. Search
3. Sorting Option
4. Exit

1

Name ? : seop

Student ID (10 digits)? : 2022123412

Department(no information, please enter '-') ? : soft

Birth Year(4 digits)(no information, please enter '-') ? : 2002

Tel ?(no information, please enter '-') : 01000001111

Select the number corresponding to the feature you desire.

1. Insertion
2. Search
3. Sorting Option
4. Exit

4

Thank you for using my program. Closing the program.

C:\Users\seongseop\source\repos\OOP-Project1\x64\Debug\OOP-Project1.exe(프로세스 26320개)이(가) 종료되었습니다(코드: 0개).

이 창을 닫으려면 아무 키나 누르세요...

