



OBJECT ORIENTED PROGRAMMING

Filing

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Introduction

- Data permanently can be stored in files
- Predefined classes ifstream and ofstream are used for reading and writing operations respectively
- fstream class comprises of both above classes and can be used for both operations
- It is always necessary to initiate a file object before performing filing

```
ifstream F1;
```

- Before reading and/or writing it is necessary to open a file in particular mode

```
F1.open("student.txt", ios::in);
```

- Similarly, it is also necessary to close the file after performing tasks

```
F1.close();
```

- While, read and write operations are performed with help of stream operators

```
F1<<str1<<endl;
```



Other function

- Mode of file opening

`ios::in`

Open for input operations.

`ios::out`

Open for output operations.

`ios::ate`

Set the initial position at the end of the file.

If this flag is not set, the initial position is the beginning of the file.

`ios::app`

All output operations are performed at the end of the file, appending the content to the current content of the file.

`ios::trunc`

If the file is opened for output operations and it already existed, its previous content is deleted and replaced by the new one

- Multiple modes can be combined by using `|` operator

- Member functions `eof()`, `fail()`, `good()`, `bad()`, `is_open()` can also be used



Questions

