

Streams

- I/O Streams are used for input and output data to and from the program
- C++ provides class for accessing input output operations
- `iostream` is a base class for all classes
- `Istream` is for input
- `Cin` is the object of `istream`
- `ostream` is for output
- `Cout` is an object of `ostream`
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- `ifstream` is a file input stream
- `ofstream` is a file output stream

Writing in a File

```
int main()
{
    ofstream of("Test.txt", ios::trunc);
    of<<"John"<<endl;
    of<<25<<endl;
    of<<"CS"<<endl;

    of.close();
}
```

Reading from File

```
int main()
{
    ifstream ifs("Test.txt");
    string name;
    int roll;
    string branch;

    ifs>>name>>roll>>branch;
    cout<<name<<endl<<roll<<endl<<branch<<endl;
    ifs.close();
}
```