

03-07-2024

STREAMS =>

✓ IO STREAMS :- A stream is a collection of flow of bytes.

✓ INPUT STREAM :-

The stream which supplies data is called Input Stream.

we extract data from input stream.

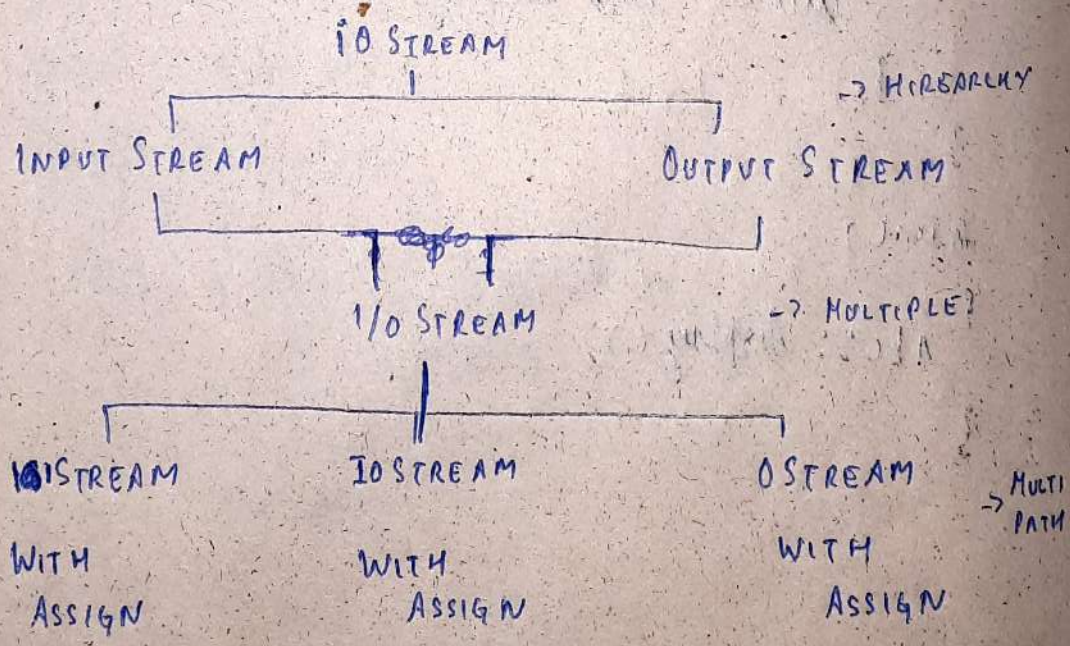
OUTPUT STREAM :-

The stream which is used to produce output is called output stream.

we insert data in output stream.

HEIRARCH OF STREAM CLASSES IN IO STREAM =>

iostream.h



ios :- It is a virtual baseclass. It provides all basic facilities for formatted ~~to~~ I/O operations.

istream :- It inherits the properties of ios. It defines get(); getline(); read().

It overloads extraction operator.

ostream :- It inherits the properties of ios. It defines put(); write(). It overloads insertion operator.

iostream :- It inherits the properties of istream & ostream through multiple inheritance.

iostream → VIRTUAL → VIRTUAL BASE CLASS

EX:-

→ Using namespace std;

#include <iostream>

main()

{

char a[20];

int i;

cout << "Enter a string";

cin.getline(a, 20);

for (i=1; i<=6; i++, cout << "\n");

cout.write(a, i);

}

Streams.CPP

O/p:-
for (i=1; i<=6; i++,
cout << "\n")

Enter a string: HEMANT

H

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O/p:- for (i=1; i<=8; i++,
cout << "\n")

Enter a string: SREEDHAR

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