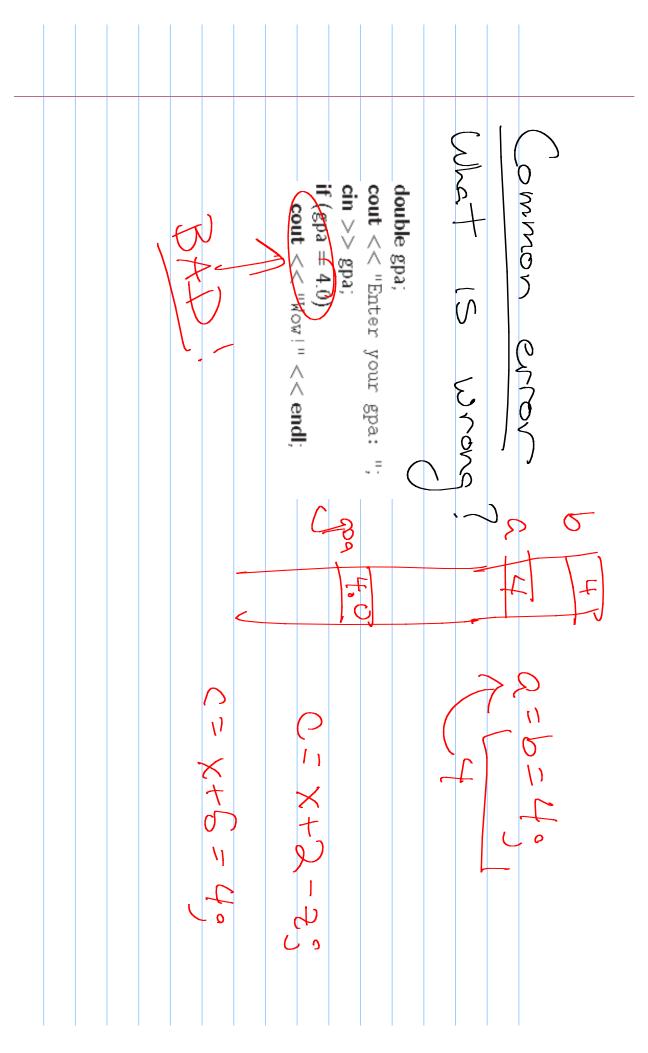
Note Title S2/00 - Ott of the command live Announ coments de boord 9/2/2011

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no remon Kemem ber ) efina void countdown(b)(
for (int count = 10; count > 0; count--)
cout << count << endl;</pre> a function countdown - no inpat variables · example tinction from

Dhona void countdown(int start=10 int end=1) { for (int count = start; count >= end; count--) cout << count << endl;</pre> arque men to strue? set volue

000 0 need brackets cout << "Go to the grocery store" << endl;
else if (groceries.contains("milk"))</pre> if (groceries.length() > 15) cout << "Go to the convenience store" << endl; if (x < 0)

else scode わわわ Code

Booleans write, Jan Ch al while Cout << " Tran 3 is not you is true +/whiles Statements 72150 reclly Mumeric booleans "ccendl; 2 6 CONDITIONS

2-while 2005

int number; } while (number  $< 1 \parallel$  number > 10); cin >> number; cout << "Enter a number from 1 to 10: ";</pre>

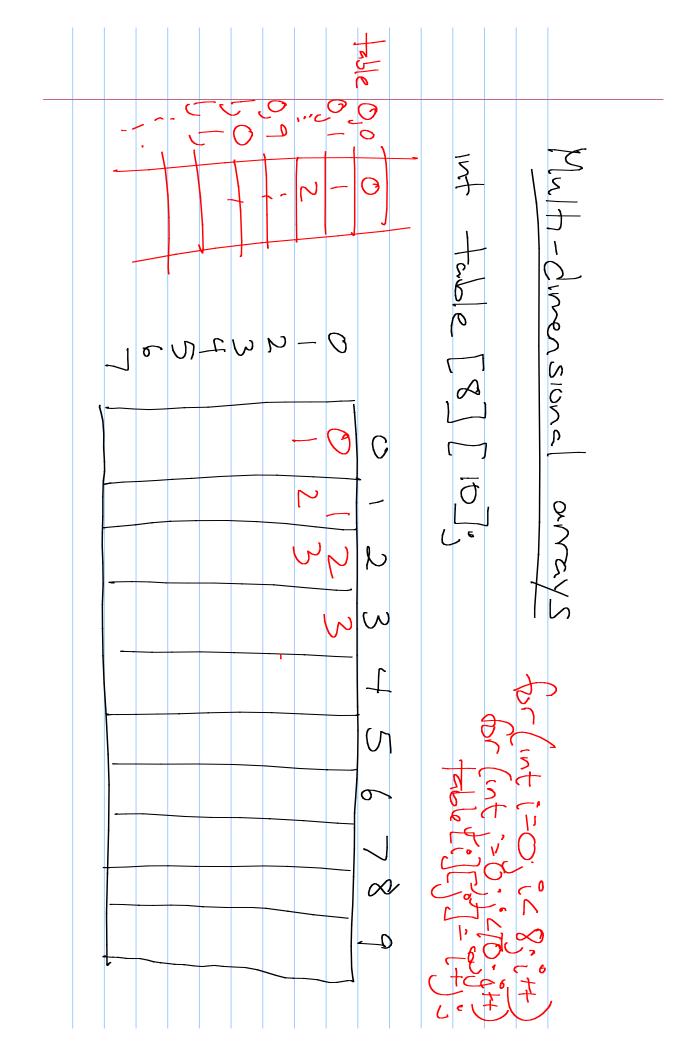
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S Many 5 768 Numbers DAMPER A Cout IS tred 3/20 tixed 115/5 Munker rave holes jet (۱ P Shall [2] ALC hance eneous declaration

archul 5 Mumbers [5] = 5; numbers { numbers, Segtan/t 1)

(Ves tr Allowed [[lowed trrays: Manti Q () = "Hello" S-75-



(++ SS Several Output preclebral

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|               | -  |                       |
|---------------|--|-----------------------|
| Class         | Purpose  | Library               |
| istream       | Parent class for all input streams                         | <iostream></iostream> |
| ostream       | Parent class for all output streams                        | <iostream></iostream> |
| iostream      | Parent class for streams that can process input and output | <iostream></iostream> |
| ifstream      | Input file stream  | <fstream></fstream>   |
| ofstream      | Output file stream   | <fstream></fstream>   |
| fstream       | Input/output file stream                                   | <fstream></fstream>   |
| istringstream | String stream for input                                    | <sstream></sstream>   |
| ostringstream | String stream for output                                   | <sstream></sstream>   |
| stringstream  | String stream for input and output                         | <sstream></sstream>   |

VSING Notes: - Can #Include using namespace ) 10 Stress using hamespace Separate use <<end 10stram> Cout Daw district variables 257 3 phona 4 C 5° end of Ou-put) ophon st, ( 3) 5 Q Sort of FAD 2 5 Ę

Xample

## 

## Python

print "Hello,", first print "Hello" # blank line

print

# automatic space

print str(total) + "." # no space # space; no newline

**print** total

print first, last

**print** "Wait..."

print "Done"

C++

```
⊸1 ⊙
                                                         -4 rO
                                                                      cout << endl;
cout << "Hello, " << first << endl;
cout << first << " " << last << endl;</pre>
                                     cout << total << endl;
cout << total << "." << endl;</pre>
                 cout << "Wait..."; // no newline
cout << "Done" << endl;
                                                                                                                                          cout << "Hello" << endl;</pre>
```

formathus output

cout << team << ": ranked " << rank << " of " << total << " teams" << end|;</pre>

Can set precision:

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cout << "pi ი ე " << fixed << setprecision(3) << pi << endl;

1 Note that precision Set & w

Cont C/5 スペッけったっ (not) Marker ! No a >> b ? 0 aye Ŋ of incit とうなって Sepa Nar 1 ab la 72110 Ö 5 2 2 2

What cont 12 person. Possible rappers! person; hambers \ow\

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ofstream datastream("scores.txt", ios::app); so append: Dedari ठ overwrites

Much Kacd ins which ならん とううろ More also Suche complex reading of writings

| int age(42);  string displayedAge;  stringstream ss;  ss << age; ss >> displayedAge; |  |  |  |  |                     |            |                      |                |                        |  |  |
|--|--|--|--|--|---------------------|------------|----------------------|----------------|------------------------|--|--|
|  |  |  |  |  | ss >> displayedAge; | SS << age: | string displayedAge; | int age(42); ( | Cashra between numbers |  |  |

<u>5</u> + Cont << "1 7 else Main () 7 3 2 5 2. 5 11 Π variable v 6 (D) > ンソニ Solos S V V ۸ ۸ 0,000

