Cheat Sheet:

**Makefie:**

**Header file:**

#ifndef CHESS\_H

#define CHESS\_H

#endif

**Format:**

static\_cast<int>(14.5)

cout.setf(ios::fixed | ios:: showpoint);

cout.precision(2);

#include<iomanip>

setiosflags (ios::left);

size(double);

**File:**

**#include<fstream>**

ifstream in;

in.open(“data.txt”);

in.close();

ofstream out;

//check file open or not

In.fail();//true for not open

//get and put

in.get(ch); ch = in.get( );

in >> number;

getline(ifstream in,string str,char delim);

in.tellg();//tell position in input sequence

ch = in.peak();

in.putback(c);

in.eof();

out.put(c);

out << num;

#include<cstdlib>

exit(1);

//stream must be reference parameter in function

Switch(varaible){

Case variable\_value: … ; .. ; break;

Case…:

}

Emacs:

C-a: begin of the line

C-e: end of line

C-k: delete to end of line

C-@:set mark

C-x u: undo

#include<cstring>

strlen(s) //without ‘\0’

strcpy(a,b)

strcmp(a,b) //return 0 if equal

strcat(a,b)

strstr(…);

Strtok(char\* sentence, const char\* delim);

strtok(temp,”:”);

#include<cctype>

toupper(char a)

tolower(char a);

isalnum(char a);

isalphha(char a);

isdigit(char a);

#include<string>

string str; char ch;

str = ch + str;

str = str+ ch;

Int n = str.size();

String::iterator = str.begin()/str.end()

str.substr(position,length);

str.erase(char c);

//convert string to cstring

str.c\_str();

//cstring to string

string s = (string) temp;

string s = to\_string(int num);

#include<algorithm>

auto it = find(str.begin(); str.end(); ch);

count(str.begin(),str.end(),’:’);

//remove

s = "This Is An Example"; s.erase(7, 3); // erases " An"

s.erase([find](http://en.cppreference.com/w/cpp/algorithm/find)(s.begin(), s.end(), ' ')); // erases first ' ';

s.erase(s.find(' ')); // trims from ' ' to the end of the string;

s.erase(remove(s.begin(),s.end(),’s’); //remove all ‘s’ in the str

//substring

string str;

str.substr(pos, length);

str.substr(0,s.find(‘s’));

in the loop:

break; //jump out of the loop

continue;//come to next iteration