Input of Contest Problem Data

Typically you have to input integer(s) describing number of records or test cases or both cases. Then have to input lines until blank line. If multiple test cases need to run case then loop back to run next test case.

#include**<sstream>**

#include**<iostream>**

#include**<fstream>**

#include**<cmath>**

#include**<stdio.h>**

#include**<vector>**

#include**<algorithm>**

#include**<string>**

#include**<list>**

#include**<limits>**

#include**<fstream>**

**using** std::cout;

**using** std::endl;

**using namespace** std;

**int** main() { *// following getting int via string - cin template <string>*

string tstring;

**int** cases;

getline(cin,tstring);

stringstream(tstring)>>cases;

*//or*

string tstring;

**int** cases;

getline(cin,tstring);

cases = stoi (tstring);

*//or - direct in completely unprotected!!!*

**int** i;

cin >> i;

*//or - following deals comprehensively with bad input*

**float** fl;

**int** bad\_input;

**do**{

bad\_input=0;

std::cin >> fl;

**if**(!std::cin)

{

bad\_input=1;

std::cin.clear();

std::cin.ignore(std::numeric\_limits<streamsize>::max(),**'\n'**);

}

}**while**(bad\_input);

*// or*

**float** fl;

**while**(!(std::cin >> fl))

{

std::cin.clear();

std::cin.ignore(std::numeric\_limits<streamsize>::max(),**'\n'**);

}

**return** 0;

}