Problem 1

#include <iostream>

#include <sstream>

#include <vector>

#include <string>

#include <fstream>

std::string rvrs\_ln(const std::string& line);

int main(){

std::ifstream infile("B-small-practice.in");

std::ofstream oufile("B-small-practice-result.out");

if(!infile)

std::cout<<"Could not open input file"<<std::endl;

if(!oufile)

std::cout<<"Could ont open output file"<<std::endl;

int x = 1; //index for formatting output file

std::string line;

int test\_cases;

infile>>test\_cases; //this is never used

getline(infile,line); //discards first line

for(; std::getline(infile,line); x++){

std::string all = rvrs\_ln(line);

oufile<<"Case #"<<x<<": "<<all<<std::endl;

}

infile.close();

oufile.close();

}

std::string rvrs\_ln(const std::string& line){

std::istringstream buffer(line);

std::string wrd,rvrs;

std::vector<std::string> hold;

int count\_wrd = 0;

while(buffer>>wrd){

hold.push\_back(wrd);

count\_wrd++;

}

for(int i=count\_wrd-1; i>=0; --i){

rvrs += hold[i];

rvrs += " ";

}

return rvrs;

}

Problem 2

#include <iostream>

#include <fstream>

#include <cstdlib>

#include <vector>

int \* credeit\_pos(std::vector<int> v, int n, int credit);

int main(int argc, char \*\* argv) {

std::ifstream infile(argv[1]);

if(!infile) {

std::cout << "could not open " << infile <<std::endl;

exit(EXIT\_FAILURE);

}

std::ofstream outfile (argv[2]);

if(!outfile) {

std::cout << "could not open " <<outfile << std::endl;

exit(EXIT\_FAILURE);

}

int num\_cases, i=0, n\_items, credit;

infile >> num\_cases;

while(i < num\_cases){

infile >> credit;

infile >> n\_items;

int price;

std::vector<int> prices;

for(int j=0; j<n\_items; j++){

infile >> price;

prices.push\_back(price);

}

int \* loc = credeit\_pos(prices, n\_items, credit);

outfile <<"Case #"<< i+1 <<": " << loc[0] <<" "<< loc[1] << std::endl;

i++;

}

}

int \* credeit\_pos(std::vector<int> prices, int n\_items, int credit){

int temp[2];

for(int i=0; i<n\_items-1; i++){

for(int j=i+1; j<n\_items; j++){

if(!(prices[i] + prices[j] == credit))

;

else {

temp[0] = i + 1, temp[1] = j + 1;

}

}

}

return temp;

}