(copied from VSCode)

P02.cpp:

*#include* <string>

*#include* <iostream>

*#include* <fstream>

*#include* <cstdlib>

*#include* <algorithm>

*#include* <cstring>

*#include* <stack>

*#include* <vector>

*#include* <bits/stdc++.h>

*using* *namespace* std;

vector<string> sort(istream*&* i1){

    int size = 0;

    vector<string> temp;

    vector<string> temp2;

    string read = "";

    string word = "";

    char last = 'z';

    char x;

*while*(getline(i1, read)){

*for*(int i = 0; i < read.size(); i++){

            x = read.at(i);*//gets x*

*if*(x != ' '){*//if x isnt white space*

                word.append(1*u*, x);*//adds to string*

            }

*else* *if*(x == ' ' &&  last != ' '){

                temp.push\_back(word);

                word = "";

            }

            last = x;

            }

        }

*for*(int i = 0; i < temp.size(); i++){

*for*(int j = i+1; j < temp.size(); j++){

*if*(temp[i] == temp[j]){

                temp.erase(temp.begin() + j);

            }

        }

    }

*return* temp;

    }

int main(int argc, char*\** argv[]){

        ifstream i1;

        ifstream i2;

        ofstream out;

        i1.open(argv[1]);

        i2.open(argv[2]);

        out.open(argv[3]);

        string read = "";

        int size = 0;

        vector<string> A;

        vector<string> B;

        A = sort(i1);

        B = sort(i2);

        out <<"A = {";

*for*(int i =0; i < A.size(); i++){

*if*(i == A.size()-1){

                out << A[i];

            }*else*

            out << A[i] << ", ";

        }

        out << "}" << endl;

        out <<"B = {";

*for*(int i = 0; i < B.size(); i++){

*if*(i == B.size()-1){

                out<< B[i];

            }*else*

            out<< B[i] << ", ";

        }

        out<< "}" << endl<<endl;

        out<<"AxB = { ";

*for*(int i = 0; i < A.size(); i++){

*if*(i > 0) out<< "   ";

*for*(int j = 0; j < B.size(); j++){

*if*(j == B.size()-1){

                    out<< "(" << A[i] <<", " << B[j] << ")";

                }*else*

                    out<< "(" << A[i] <<", " << B[j] << "),  ";

            }

            out << endl;

        }

        out<<"  }"<<endl;

        cout<<"Wrote output to 'result.txt'"<<endl;

*if* (i1.is\_open()){

            i1.close();

            i2.close();

            out.close();

        }

*else* {

        cout << "Unable to open input file(s)." << endl;

        }

}

P02make

obj = p02.o

p02: ${obj}

g++ -o p02 ${obj}

p02.o: p02.cpp

g++ -g -c p02.cpp

set1.txt:

Pikachu Bulbasaur Charmander

GottaCatchEmAll

Pikachu

set2.txt:

901

872

901 872 613

result.txt(after output)

A = {Pikachu, Bulbasaur, Charmander, GottaCatchEmAll}

B = {901, 872}

AxB = { (Pikachu, 901), (Pikachu, 872)

(Bulbasaur, 901), (Bulbasaur, 872)

(Charmander, 901), (Charmander, 872)

(GottaCatchEmAll, 901), (GottaCatchEmAll, 872)

}