CSCI251/CSCI851   Autumn-2020

Advanced Programming   (**LT13**)

Lecture Tutorial 13

From the Lab:

- Part A: Q3: File re-direction.
  - The < in

    ```
    ./reverse < Input.txt
    ```

  - … means the input to the program reverse is taken from the file `Input.txt`, rather than from the keyboard.

```cpp
#include <iostream>
#include <algorithm>
#include <vector>
using namespace std;

class pointStore
{
private:
    vector<void*> pointstore;
public:
    void operator()(void* point){
        auto it = find(pointstore.begin(),pointstore.end(),point);
        if (it !=pointstore.end())
        {
            cout << "Already have " << point << " in the point store." << endl;
        }
        else
        {
            cout << "Adding " << point << " to the point store." << endl;
            pointstore.push_back(point);
        }
    }
};
int main()
{
    pointStore store;
    int I;
    float F;
    store(&I);
    store(&F);
    store(&I);
    return 0;
}
```

A.1a