



Lesson 15 CPP set of pair

Now we are going to arrange and order the data that we stored in the last lesson in pairs. We are going to use a set, and that's called a set **of pairs**.

```
#include <iostream>
#include <set>
#include <string>
#include <utility>
using namespace std;
int main() {
    set<pair<string, int> >s;
    //we defined the pair and the set
    pair<string, int> p;
    p.first = "Gammal Tech";
    p.second = 123;
    s.insert(p);
    //we inserted the pair into the set
    for (int i = 0; i < 3; i++) {
        cout << "Enter name: ";
        cin >> p.first;
```



```
cout << "Enter number: ";
cin >> p.second;
s.insert(p);
}
set<pair<string, int> >::iterator it;
//printing
for (it = s.begin(); it != s.end(); it++)
cout << (*it).first << " " << (*it).second << endl;
return 0;
}
```