

C++ Programming	Student number	21300691
Homework 5	Name	Cheung, Won Sik

Code

Class People code

```
class People {
private:
    string name;
    string stuNo;
public:
    People(){ }
    People(string name, string stuNo){
        this->name = name;
        this->stuNo = stuNo;
    }
    void setName(string name){
        this->name = name;
    }
    void setStuNo(string stuNo) {
        this->stuNo = stuNo;
    }
    string getName() {
        return name;
    }
    string getStuNo() {
        return stuNo;
    }
    void print() {
        cout<<"My name is "<<name<<" stu no is "<<stuNo<<endl;
    }
};
```

Class Team code

```
class Team {
private:
    string name;
    People member[30];
    int cnt = 0;
public:
    Team(){ }
    Team(string _name){
        this->name = _name;
    }
    void addMember(People people) {
        if(cnt > 29) {
            cout <<"full";
        }
        else {
            // include people to member and add 1 to count
            member[cnt] = people;
            cnt++;
        }
    }
    void printMember() {
        //looping print to all member
        for(int i=0; i<cnt; i++){
            cout<<"RC_Team's Member name is "<<member[i].getName()<<endl;
        }
    }
};
```

Main code

Replace name and student number

Add system("pause"); to stop and watch the result

```
int main()
{
    Team* team1 = new Team("RC_Team");
    People p1("Gildong", "21800123");
    People p2("Professor", "29500123");
    p1.print();
    // print : My name is Gildong stu no is 21800123
    p1.setName("Won Sik"); //your name
    p1.setStuNo("21300691"); //your student number
    p1.print();
    // change to your name Gildong -> (your name), (21800123 -> 21x00xxx)
    // print : My name is (Your name) Stu no is 21x00xxx
    team1 -> addMember(p1);
    team1 -> addMember(p2);
    team1 -> printMember();
    // print : RC_Team's Member name is (Your name)

    system("pause");
}
```

Result

```
My name is Gildong stu no is 21800123
My name is Won Sik stu no is 21300691
RC_Team's Member name is Won Sik
RC_Team's Member name is Professor
계속하려면 아무 키나 누르십시오 . . .
```