

C++ Programming	Student number	21600193
Homework 5	Name	Kim, Hyo Rim

Comment

1. constructor : The constructor accesses each private variable and stores the parameter value.
2. get function : The get function returns the specified value of the class's private variable.
3. set function : The set function accesses each private variable and stores the specified parameter value.
4. print : Prints the specified private value of class according to the form. The Team output prints all team members.

Code

```
HW5_21600193_KimHyoRim.cpp

#include<iostream>
#include <string>

using namespace std;

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 this->name;

    }

    string getStuNo() {

        return this->stuNo;

    }

    void print() {

        cout << "My name is " << this->name << " Stu no is " << this->stuNo << endl ;

    }

};

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 {

        this->member[cnt] = people;

        this->cnt++;

    }

}

void printMember() {

    for(int i = 0; i < this->cnt; i++)
        cout << "RC_Team's Member name is " << this->member[i].getName() <<
endl;

}

};

int main() {

    Team* team1 = new Team("RC_Team");

    People p1("Gildong", "21800123");

```

```

p1.print(); // print : My name is Gildong stu no is 21800123

p1.setName("Handong"); //your name

p1.setStuNo("21x00xxx"); //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 -> printMember(); // print : RC_Team's Member name is (Your name)

}

```

Result

```

Hyorm@HYorm:/mnt/c/Users/Hyo RIM Kim/Documents/한동대학교/Git/17-2/C++$ ./hw5
My name is Gildong Stu no is 21800123
My name is Handong Stu no is 21x00xxx
RC_Team's Member name is Handong
Hyorm@HYorm:/mnt/c/Users/Hyo RIM Kim/Documents/한동대학교/Git/17-2/C++$ _

```