Object-Oriented Programming
Programming Practice 7

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MyMap

- Write a template `MyMap`. The element is inserted by member function, `insert(key,value)`. `[]` operator returns the pointer of the element. If there is no value for the key, it returns NULL.

- Zip your whole project folder, name the zip file as practice07_<your_student_id>.zip, and send it to the TA via jyoonkim@korea.ac.kr .

```
// define MyMap template class here

int main()
{
    MyMap<string,int> M1(10); // 10 is the maximum size of the map
    M1.insert("one",1); M1.insert("two",2); M1.insert("three",3);
    if( M1["two"] ) cout << *M1["two"] << endl;
    else cout << "No Match" << endl;
    if( M1["ten"] ) cout << *M1["ten"] << endl;
    else cout << "No Match" << endl;

    MyMap<int,string> M2(10);
    M2.insert(10,"ten"); M2.insert(20,"twenty"); M2.insert(30,"thirty");
    if( M2[30] ) cout << *M2[30] << endl;
    else cout << "No Match" << endl;
}
```

```
2
No Match
thirty
```