

Lab 11 - Map

Direction: Submit typed work in the Labs directory of your github repositor or dropbox, or upload to the google classroom assignment. Modify the template file provided named "lab11.h" and submit your modification. Including any additional libraries will result in a 0.

Part A: In class

Your objective is to write the definition of the inherited methods from the **MapInterface** interface in the body of the Map class as follows

- ☐ **Put()** - if *key* is not a member of the map and the size of the map is less than 100, it adds the key-value pair (*key,value*) to the map; otherwise, it does nothing.
- ☐ **Get()** - if *key* is a member of the map, it returns the value that is mapped to *key* from the map; otherwise, it throws an error message.
- ☐ **Contains()** - it returns true if the *key* is a member of the map; otherwise, it returns false.
- ☐ **Remove()** - if *key* is a member of the map, it removes that key-value pair from the map; otherwise, it does nothing.
- ☐ **ToString()** - it returns a string of all the key-value pairs of the map in point format (i.e in parentheses separated by a comma; (*key,value*)) enclosed in curly braces each separated by a comma.