

You shall submit a zipped, **and only zipped**, archive of your homework directory, hw5. The directory shall contain, at a minimum, the files `inc/point.h` and `src/point.cc`. Name the archive submission file **hw5.zip**

I will use my own makefile to compile and link to your `inc/point.h` and `src/point.cc` files. You must submit, at least, these two files.

You must provide the following public interface for your class:

1. `Point::CalcBoundingBox`¹
2. `Point::Point()`
3. `Point::Point(double, double)`
4. `Point::Point(double, double, double)`
5. `Point::Point(const double[], size_t)`
6. `Point::Point(const Point&)`
7. `Point::~~Point()`
8. `Point::operator=(const Point&)`
9. `Point::operator[] (const Point&)`
10. `Point::operator==(const Point&)`

Read the provided header file documentation for instructions on how the methods should behave. You may use any member or method in your private class section.

I have provided you a set of basic test apps which you can use to ensure that your code is, at least partially, correct. As always, I would suggest a more rigorous testing scheme to ensure that your methods handle missing data.

Late assignments will lose 25% per day late, with no assignment begin accepted after 3 days (at 100% reduction in points).

You will receive

- 3 points for correct constructors,
- 1 point for correct assignment op,
- 1 point for correct bracket op,
- 1 point for correct equal to op,
- 2 points for correct `CalcBoundingBox` method

¹This method must be a static method