# Assignment5

## Sorting-Based Algorithms
## Intersecting Segments

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## Deadline

Thursday, 4 July 2019 at 23:55.

## Task

- Generate a set of random segments and design a suitable Data Structure for it. (15%)

- Implement a sorting algorithm you did not use in the other assignments. (15%)

- Implement the **Generic Intersecting Segments** algorithm. (50%)

- Implement a `main` function/script that calls the algorithm with the different inputs and checks if the result is correct (using the naïve algorithm, which checks the intersections pair-by-pair). (10%)

- Write readable and well-commented code describing what every function does. (10%)

## Tips & Suggestions

- Follow the naming conventions posted on the course webpage; in addition, I **prefer** receiving **zip files** over GitHub links, thank you!

- Write elegant code!

- Try NOT to use IDEs, but text editor + command line for programming!

- Send me ONLY the source code (NO compiled files)

- LESS (additional libraries you use) IS MORE (delight for me while checking your submissions)!!!

- I expect also a file explaining how to compiling and running your code from the terminal!