Bilkent University

CS481 | CS583 - Bioinformatics Algorithms

Fall 2022

Homework Assignment #5

General Instructions

FAILURE TO FULFILL ANY OF THE FOLLOWING ITEMS WILL RESULT IN A GRADE SCORE OF 0 **(zero) WITHOUT ANY CHANCE OF REDEMPTION.**

- You must **write your solution yourself**. Sufficient evidence of plagiarism will be treated the same as for plagiarism or cheating.

- Your solution must **be complete**.

- Submit your answers **ONLY** through the Moodle page.

- **Zip** your files and send them in only one zipped file.

- File name format `surname_name_hw#.zip`.

- All submissions must be made **strictly before the stipulated deadline**.

1) ALGORITHM VISUALIZATION

1.1 Instructions

1. Select **one topic** from this list in `https://docs.google.com/spreadsheets/d/1plkQENIMRfqOeW_-iK3H5h_l322RjSavHyRHrYC9oDg/edit#gid=0`, write your name and your ID next to it.

2. Using ANY software with which you can create a visualization, like PowerPoint, Impress, Movie Maker, iMovie, Paint.NET, etc., build a short video that **demonstrates** the topic.

   - Your visulization may or may not include features like moving objects, diagrams, voiceovers, tags, etiquettes, code, figures, charts, etc.
   - Include at least one example of your topic.

3. Export your video to any format uploadable to YouTube.

4. Upload your work to YouTube and copy the link on the Submission page in Moodle.

1.2 Examples

- `https://www.youtube.com/watch?v=cvsZCh_OH9A`

- `https://visualgo.net/en/sorting?slide=1`

- `https://www.cs.usfca.edu/~galles/visualization/TopoSortIndegree.html`

- `https://www.youtube.com/watch?v=Tj-Njk6UjRs`