INF211
ALGORITHMS AND PROGRAMMING

PROJECT-8

Create a Project with Your Array Library

Deadline is December 15, 2020 at 23:00.

Projects that are not delivered on time are not accepted.

Upload the project to the Project 8 assignment section of the INF211 class.

The questions can be asked to course lecturer Dr. Tuba GÖZEL and teaching assistant Osman Said BİÇKİN under the Project 8 announcement of INF211 class Week9 channel.

Upload your files as followings:

- **Upload ONLY your source codes (*.c, *.h).**
- **After uploading your source files, you must use TURN IN button (GÖNDER butonu) in the system, otherwise it will be a draft of your version and will not be accepted.**
- **MS Teams "INF211" class is the directory for your files.**
- **Do not create a folder or RAR or whatever, just UPLOAD your source codes.**
- **Source codes must be named as: "my_array_library.h", "my_array_library.c" and "main.c"**

PROJECT 8

Write your own array library named "my_array_library.h" with two-dimensional array including the following functions and create a project and test these functions with "main.c".

- Enter the elements of an array
- Print the elements of an array
- Print the mth, nth element of an array

- Search the value in given array elements and give index
- Find the number of non-repeated elements in an array

- Find the minimum element of an array
- Find the maximum element of each array row or column

- Sort each array row in descending order using bubble sorting

- Find the transpose of a given array
- Compute the product of two arrays

- Check if a given matrix is an identity matrix
- Check if a given matrix is a symmetric matrix