



SWE 101-ASSIGNMENT 2

STUDENT INFORMATION



SWE 101- Solving problem in software engineering

Software engineering-1.class

Lecturer: Gülüzar ÇİT

Assignment 2- Matrix Project

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A brief explanation of the program:

This project is a **cpp code(.cpp file)** that calculates a special output matrix with some rules.

- At first; program has a input **square** matrix.
- And program wants user to enter a square core matrix.
- Program will make a matrix operation with some criterias.
Then it will enter the output(result) matrix.
- Firstly; the core frame will shifted by one to the right on the input matrix.
- This processes will repeat at the and of the current column.
- When it comes at the end of the column, it will come back to the beginning of the row and will shift by one to the right side again.
- Program will follow this size rule:
$$\text{output_row_size} = (\text{input_row_size}) - (\text{core_row_size}) + 1$$
- The size of matrix will be between 2×2 and 5×5
- The max. size of the result matrix will be 100×100

On my honor, as an Sakarya University Student I have neither given nor received unauthorized assistance.

