

Programming Task

The following table (attached in mail) should be read from an csv file (separated via “;”) and a new file should be created containing the transposed (rotated) table:

| | | | | |
|-----|-----|-----|-----|-----|
| A1 | B1 | C1 | D1 | E1 |
| A2 | B2 | C2 | D2 | E2 |
| A3 | B3 | C3 | D3 | E3 |
| A4 | B4 | C4 | D4 | E4 |
| A5 | B5 | C5 | D5 | E5 |
| A6 | B6 | C6 | D6 | E6 |
| A7 | B7 | C7 | D7 | E7 |
| A8 | B8 | C8 | D8 | E8 |
| A9 | B9 | C9 | D9 | E9 |
| A10 | B10 | C10 | D10 | E10 |

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|
| A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | A10 |
| B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 |
| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 |
| D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 |
| E1 | E2 | E3 | E4 | E5 | E6 | E7 | E8 | E9 | E10 |

Figure2: Transposed Table

Figure1: Input Table

- The tool shall be able to receive the filename of the table from the user and load the table to transpose the content.
- The tool shall be able to save the transposed table in a new file with the filename of the input file and extended with “transposed” (“filename_transposed.csv”).

You should use Visual Studio 2019 / VS Code and C#. You are free to use library's.