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Project Description

This program reads matrices from an input text file and prints out the matrices in an output text file along with the determinant of each matrix.

Please make sure that the data in the input file follows the following format:

```
n
Matrix
n
Matrix
n
Matrix
.
.
.
```

Where n represents the order of a square matrix with dimension $n \times n$.

Matrix represent the actual matrix with the values in the matrix separate from each other by one space.

Please also make sure that there are no empty lines between data.

Java Version: 1.8.0_201 **IDE used:** NetBeans 8.2

Compile instructions:

On command/ terminal, change directory to the location where the project file is located. For example if the project file is located in Documents in a folder named JHU

For MacOS terminal: `cd ~/Documents/JHU`

After changing directory to where the files are located, you can compile the files by typing in the following command:

```
Javac Main.java
```

The above command compiles the java files of the program into class files. After the file is compiled, enter command line arguments in the following format:

```
Java Main input output
```

Input and output can be a text file or it can be a directory to where the text file is located. The first argument “input” and the second argument “output” must be separated by a space.

Example: `java Main ~/Documents/"Study Material for JHU"/"data structure"/input.txt
~/Documents/"Study Material for JHU"/"data structure"/output.txt`