Lab 7.3.1 Exceptions: file checks

Objectives

Familiarize the student with:

- situations when exceptions are thrown;
- handling file-related exceptions.

Scenario

Write a class that holds a (2×2) matrix, and add two methods to work with files: one method to load the matrix from a file (in any format) and one method to save the matrix to a file (in the same format). Add code to handle exceptional situations (file not found and no rights to file), print a message and re-throw an exception. Add a try-catch block in the proper places. Simulate both situations handled (try to load a nonexistent file, and try to save a file in a path where you have no proper rights).

Example input

```
Simulate both situations handled
```

Example output

```
File not found at: path
No rights to write to file: path
```