

The program was written in Java. You must have the JDK installed to run the program. The program requires at least JDK 18, so any JDK version 18 or later should work fine.

GitHub Link for the project: <https://github.com/huseyinerenceyhan/BoardAnalysis>

To run the program open the Command Prompt and go to the “BoardAnalysis-main” folder with “cd” command.

```
Microsoft Windows [Version 10.0.19045.5737]
(c) Microsoft Corporation. All rights reserved.

C:\Users\husey>cd masaüstü/BoardAnalysis-main

C:\Users\husey\Masaüstü\BoardAnalysis-main>
```

Then run the “java -jar BoardAnalysis.jar” command.

```
Microsoft Windows [Version 10.0.19045.5737]
(c) Microsoft Corporation. All rights reserved.

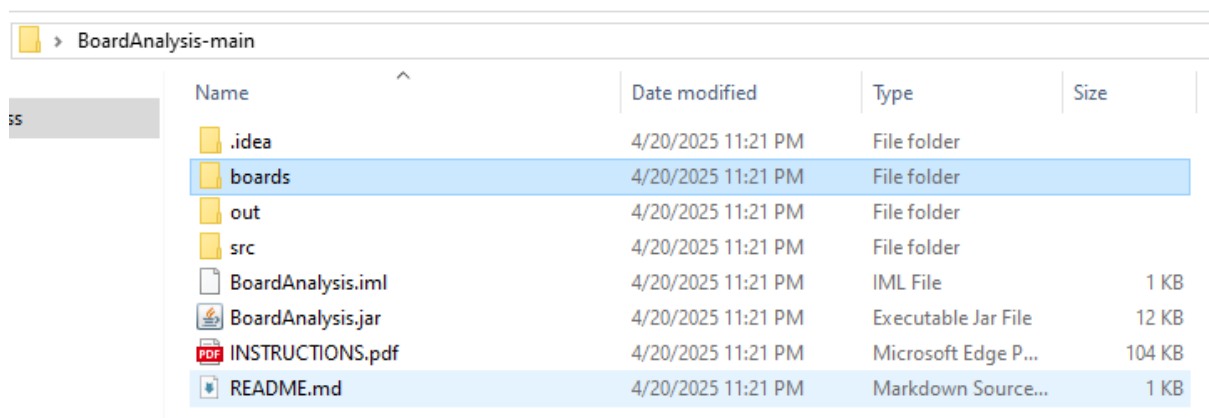
C:\Users\husey>cd masaüstü/BoardAnalysis-main

C:\Users\husey\Masaüstü\BoardAnalysis-main>java -jar BoardAnalysis.jar

Please put your files in the "boards" folder.
If you already have please write the file's name without the extension.
Example:board1
```

The boards that were given with the assessment(board1.txt etc.) are already in the “boards” folder.

If you would like to use another .txt file put them in the “boards” folder first.



BoardAnalysis-main				
	Name	Date modified	Type	Size
	.idea	4/20/2025 11:21 PM	File folder	
	boards	4/20/2025 11:21 PM	File folder	
	out	4/20/2025 11:21 PM	File folder	
	src	4/20/2025 11:21 PM	File folder	
	BoardAnalysis.iml	4/20/2025 11:21 PM	IML File	1 KB
	BoardAnalysis.jar	4/20/2025 11:21 PM	Executable Jar File	12 KB
	INSTRUCTIONS.pdf	4/20/2025 11:21 PM	Microsoft Edge P...	104 KB
	README.md	4/20/2025 11:21 PM	Markdown Source...	1 KB

To use them with the program simply write their names without their extension.

Due to a misunderstanding on my part, the program calculates all threats and points instead of just pawns, queens, and knights.

So with board1



Black Knight on b8 is being threatened by the White Bishop at f4 so the program halves the black knights point.

sonuçlar.txt - Notepad

File Edit Format View Help

Tahta Dosya Adı
board1.txt

Sonuçlar
Siyah:135

Beyaz:134.5

And because of that the program calculates Siyah as 133.5 instead of 135.