

Introduction

In a parallel universe early nineteen nineties, software and internet are booming. Many programming languages and technologies that we know of in our world today exist and production ready. You are a Software Engineer at CalcuCo, a company specializing in implementing state-of-the-art software calculators. You have been assigned the job of developing a calculator for Megasoft, a company that is working on developing a mega operating system for personal computers in order to include it in their next operator system release.

Requirements

Here are Megasoft's requirements for their calculator:

1. Perform basic calculations (add, subtract, multiple, divide).
2. Perform factorial calculation.
3. In order to eliminate any potential bugs in the software, automated tests must be written and run to ensure the integrity of the application.
4. The calculator will be triggered and interacted with on the CLI.
5. The calculator will also be triggered via a web API.
6. You are free to use the programming language of your choice, except .Net , Storage facility is a free choices as well
7. CalcuCo would like to impress their new customer, you have the luxury of to add your killer feature to the previous requirements.

Deliverables

1. Full functioning code.
2. Web API documentation.
3. Steps required to run the application.