Genetic Algorithm Optimizer

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1 How to use the program

1. Download all of the files in one directory.

2. Open the `GA.c` and `OF.c` files in VS Code. You will need to comment and uncomment the code in these files depending on which function you wish to optimize and how many variables you choose to use. Once you have made the appropriate commenting/uncommenting, proceed with the following steps.

3. In the terminal, ensure you are in the directory in which all of the files are located.

4. To compile the program, run the command `make` in the terminal.

5. To run the program, run `./GA <POPULATION_SIZE> <MAX_GENERATIONS> <crossover_rate>` `<mutate_rate> <stop_criteria>` in the terminal. Make sure you insert your chosen values.

6. To remove the executable from your directory, run the command `make clean` in the terminal.