1. Follow Java naming conventions:

  - Class names: PascalCase (e.g., `GameEngine`)

  - Method names: camelCase (e.g., `updateGameState`)

  - Variable names: camelCase (e.g., `playerPosition`)

  - Constants: UPPER\_CASE with underscores (e.g., `MAX\_HEALTH`)

1. Use proper indentation and spacing:

  - Indent using spaces (typically 2 or 4 spaces) instead of tabs.

  - Use consistent spacing around operators, parentheses, and braces.

1. Write concise and meaningful comments:

  - Use single-line comments (`//`) for brief explanations.

  - Use multi-line comments (`/\* ... \*/`) for more detailed explanations or block comments.

  - Write JavaDoc comments for classes, methods, and important variables.

1. Keep methods and classes small and focused:

  - Each method should have a single responsibility.

  - Each class should have a single purpose and should follow the Single Responsibility Principle.

1. Use appropriate access modifiers and encapsulation:

  - Limit the visibility of fields and methods as much as possible (e.g., use `private` or `protected` instead of `public` when possible).

  - Use getter and setter methods to access and modify private fields.