**Functionality to Calculate the Area for Different Geometric Dimensions for Mathematics Project.**

**Writeup**

* This project aims to showcase fundamental mathematical concepts and programming skills.
* This Java code defines a basic geometric shapes hierarchy with a parent class Geometric Shape and two child classes "Rectangle' and 'Circle’.
* The Geometric Dimension Area Calculator is designed to calculate the area of various geometric shapes.
* This versatile Java program provides functionality for different geometric dimensions, including circles, rectangles, and triangles.
* Implementation

The program is implemented in Java, providing a user-friendly command-line interface for input and displaying results. It consists of modular functions for each geometric dimension, promoting code reusability and maintainability.

* Conclusion

The Geometric Dimension Area Calculator project provides a solid foundation for understanding and implementing mathematical concepts in a programming context. It serves as a valuable resource for educational purposes and can be extended to include additional geometric shapes and dimensions. The modular design facilitates easy maintenance and future enhancements