

1. What is the name of your language?

- Phoenix

2. How is it different from other available languages?

A general-purpose programming language that is designed to be simple, reliable, and efficient.

It Follows following features:

- 1. Static typing:** Static typing means that the types of variables and expressions are checked at compile time, which can help to prevent errors.
- 2. Object-oriented programming:** Object-oriented programming is a programming paradigm that allows programmers to create reusable code and to model real-world problems.
- 3. Modules:** Modules are a way of organising code into logical units, which can help to improve readability and maintainability.
- 4. Garbage collection:** Garbage collection is a feature that automatically manages memory allocation and deallocation, which can help to reduce errors and improve efficiency.

3. Which language to be used to implement the compiler/programming language?

- Python Programming language will be used.

4. Github link:

<https://github.com/Abhishek0113/CompilerDesign>