

CS 332 - Language Report

Problem Statement: For this assignment you will produce a short report on one of the lesser known programming languages. The language must be Turing Computable (i.e. no HTML or CSS). Languages developed to accomodate specific communities and are used in the real world are well suited to this topic. Examples are Ada, Scratch, and Promela. Toy languages, such as Shakespeare, GolfScript, and Whitespace are not well suited to this topic.

The report shall include the following, as appropriate for the language:

1. Identify the language paradigm.
2. Provide a brief history describing where and when the language was developed and maintained.
3. Identify any unique or unusual features of the language.
4. Identify communities that use the language.
5. Identify advantages claimed by proponents of the language.
6. Identify disadvantages claimed by critics of the language.
7. Provide the syntax for the following statement types: declaration, assignment, selection, and repetition.

Paper Format: Professional presentation is expected though no specific format is required. Use your experience. You do not need a title page, but do need to include a title, and your name. Abstracts and table of contents are discouraged as they are not normally part of short papers. A bibliography is required. Do not use web references. Textbooks, language guides, and published papers that are accessed online are acceptable. Cite your references in a standardized style of your choice.

Submission and File Formats: The reports are to be turned in via Canvas, in MS Word or PDF format.

Rubric: Your grade will be assessed per the rubric in Table 1.

Table 1: Grading Rubric

Item	Points
Quality of writing (grammar, terminology, structure)	5
Topics introduced are fully explored, or incomplete topics noted.	25
Technical terms are used correctly and consistently.	5
Bibliography and citations used correctly.	5
Totals	40