

FINAL PROJECT

- Project is done in a group of two students
- The presentation should include a brief tutorial on the programming language of your choice. Your presentation should include but not limited to language features and show examples of their use. Use the presentation template provided to you.
- Submit class presentation and project report before deadline in a zip file through Canvas. No email submission will be accepted.

Project Statement

The project is about in-depth learning of programming language.

You can choose any programming language from following list:

Pascal
Perl
Rexx
Lua
Prolog
FORTRAN-77
Cobol
Ada
Basic
LISP

You should choose a language for which you can obtain a compiler or interpreter. You can find a list of free compilers for programming languages you may want explore at:
<http://www.idiom.com/free-compilers/index.html>

Do not copy and paste from the web, the presentation and final report must be your own work.

Project report format

Section 1: INTRODUCTION

- 1.1 Why you choose this language?
- 1.2 History of the language: Who created it? Why it was created? Application domains of the language?
- 1.2 Provide how sections are organized

Section 2: BASIC FEATURES

- 2.1 Introduction
- 2.2 Paradigm

- 2.3 Data Types
- 2.4 Control Flow
- 2.5 Subprograms
- 2.6 Object-orientation

Section 3: A BRIEF TUTORIAL

Section 4: EVALUATION

We discussed a list of language evaluation criteria. Evaluate the language with respect to the following characteristics:

- 4.1 Simplicity/orthogonality
- 4.2 Control Structures
- 4.3 Data types
- 4.4 Syntax Design
- 4.5 Support for abstraction
- 4.6 Expressivity
- 4.7 Type checking
- 4.8 Exception handling
- 4.9 Restricted aliasing

Section 4: CONCLUSION

What is your overall feeling about the language of your choice?

REFERENCES

Provide reference material you used for this project.

Sebesta, R. (2005). Concepts of Programming Languages, Seventh Edition. Boston, MA: Addison-Wesley.