# Programming Languages
# COS 333
## Practical Lab Experience 1:
## Research Assignment

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# Contents

# 1 Question 1: Esolang

According to esolang [1], an esoteric programming language, or esolang, is a computer programming language that is designed to experiment with peculiar ideas and to be a joke, rather than for practical use. The word *esoteric* means "likely to be understood by only a small number of people [2]." This implies that such a language would only be understood by a small number of developers.

# 2 Question 2: Views on Esoteric languages

## 2.1 for

potentials creative thinking expression reach new ways of programming that may aid in future expression of an art tests the boundaries of computer science

## 2.2 against

list some really silly ones seems like waste of time unstructured means informal means one could have spent the time doing something more focused list costs

# 3 Question 3: Practical Examples

## 3.1 esolang one

name description designer year of initial design syntax semantics Turing complete

short code snipped short explanation of code snippet

## 3.2 esolang two

name description designer year of initial design syntax semantics Turing complete

short code snipped short explanation of code snippet

# 4 Question 4: Stack-based Programming Languages

brief explanation of what it is short example

# 5 Question 5: Turing (the programming language)

good introductory not good instructional

# 6 Question 6: Design by Contract

what it is list two languages

# 7 Question 7: AWK Programming Language

intended application area overall syntactic structure explain how these two work together

# References

[1] Esoteric Programming Language. description. Online: `https://esolangs.org/wiki/Esoteric_programming_language`. Accessed: 2017-07-31.

[2] Wikipedia, The Free Encyclopedia. esoteric. Online: `https://en.wikipedia.org/wiki/Esoteric_programming_language`. Accessed: 2017-07-31.