

# Dickinson Language Reference

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# Contents

0.1	Introduction . . . . .	3
0.2	Syntax . . . . .	3
0.2.1	Lexical Structure . . . . .	3
0.2.2	Syntax Tree . . . . .	4

## 0.1 Introduction

Dickinson is a language for generative literature targeting English. This reference specifies the syntax and semantics of the language.

## 0.2 Syntax

### 0.2.1 Lexical Structure

Dickinson programs have the following lexical structure:

```

comment =: ;.*$
identifier =: [a - z][a - zA - Z0 - 9]*
typeIdentifier =: [A - Z][a - zA - Z0 - 9]*
moduleIdentifier =: (identifier.)*identifier
include =: : include
let =: : let
match =: : match
branch =: : branch
oneof =: : oneof
def =: : def
lambda =: : lambda
flatten =: : flatten
text =: text
tydecl =: tydecl
arrow =: (→ | - >)
probability =: ([0 - 9]+ | [0 - 9]+.[0 - 9]*)

```

### 0.2.2 Syntax Tree

```

expression =: ((: letidentifierexpression)
               | string
               )

```