

**Compiler Construction**

**CSL-323**

**Department Of Computer Science**

Bahria University, Karachi Campus

**Project Name:**

Compiler language for beginners

**Course:**

Compiler Construction Lab

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**Language specification document**

The following document must be filled according to your project.

**Motivation:**

To create a language that is mainly for beginners, easy to cope with

**Targeted Audience:**

Beginners someone who is newbie to coding

**Language Paradigm:**

Procedural

**Case sensitivity:**

Yes

Keywords:

|  |  |
| --- | --- |
| Keyword | Keyword |
| return | On |
| int | Off |
| string | fname |
| if | cname |
| else | for |
| print |  |

**Data Types:**

Int and string

**Iterative statements:**

For loop

**Conditional Statements:**

If else

**Comments (Multi line + Single line):**

Multiline

**Line terminator:**

.

**Operators (Mention Each Operator with their class part):**

+, -, \*, /

**Punctuators (Mention each punctuator with their class part):**

, “”

**Identifiers:**

Input , print, int, string

**Syntax Specification: (start, end, declaration, functions, array 1D/2D, classes/structures, loops, conditional statements)**

Start = On

End = Off

Declaration =Data type : variable name.

Function = fname()

Array = 1D

Classes = cname{}

Loops = for()

Conditional Statements= if()

else()