****

**COMPILER CONSTRUCTION**

**BSCS-504**

**BSCS-III (Section B)**

**PROJECT FILE**

**GROUP MEMBERS:** B21110004005 NADRA

B19102114 NAZISH NADEEM

B19102119 RAMEEN

**COURSE INCHARGE:** MISS MARYAM FEROZE

**KEYWORDS:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***break*** | *continue* | ***do*** | ***class*** |
| ***catch*** | ***else*** | ***main*** | ***if*** |
| ***for*** | ***static*** | ***public*** | ***private*** |
| ***new*** | ***null*** | ***void*** | ***try*** |
| *extends* | ***this*** | ***return*** | ***abstract*** |
| ***while*** | ***interface*** | *implements* |  |

**OPERATORS:**

**Arithmetic**

+, -, \*, /,%

**Relational**

<, >, <=, >=, !=, ==

**Logical**

&&, ||, !

**Increment-Decrement**

++, --

**Assignment**

=, +=, -=, \*=, /=, %=

**PUNCTUATORS:**

, (comma)

. (dot)

; (semi-colon)

: (colon)

( ) (brackets)

{ } (curly brackets)

**IDENTIFIERS:**

* Identifier starts with an alphabet or underscore.
* The first character can be followed by a digit or an alphabet.
* No special characters in the identifier.

[A-Z a-z] | [A-Z a-z 0-9]\*

**CONSTANTS:**

**Integer**

[+ -]? [0-9]\*

**Double**

[+ -]? [0-9]\* . [0-9]+

**String**

“\[‘ “ \ n t r o b]|[@ + - \* /]|[A-Z a-z 0-9]”

**Bool**

(true|false)