COMPILER CONSTRUCTION PROJECT

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***Write the rules/syntax for the followings***

Variables:

Variable declaration:

Variable name starts with symbol ‘$’

variable \_type $variable\_name;

Variable types:

• num (Integers)

• doub (doubles)

• boo (bool)

• flo (float)

• chr(char)

Arithmetic and Logical Operations:

Increment/Decrement (Pre & Post):

Input/output

Input: in > $variable\_name

Output: display < ‘hello world’;

display < $x;

display < ‘value of x=’ + $x;

Conditional Statements:

If: is

Else: elis

Body of conditions:

is(condition)

{

body

}

elis

{

body

}

Switch(val)

option(val) {

opt 1:

opt 2:

def:

}

Arrays

num[] $Arry=new num[];

Loops:

For : loop

Syntax:

loop (num $i=0; $i<23; $i+1)

Functions:

Body of function

void ^name ()

{

}

Functions calling

des ^name ()

Classes:

Entity \_classname {}