Logo, company name

Description automatically generated

***Institute of Space Technology***

***Assignment of Compiler Construction***

***(Assignment No.3)***

**Tittle: Phases of Compiler & AST Library**

***Submitted by:******Submitted To:***

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***BSCS-01-B***

**Module 1:**

**Implementation of lexical analyser**

**Code:**

import re

string = "a + ( b \* c )" x

= re.split("\s", string)

print(x)

**Output:**

A screen with numbers and letters on it

Description automatically generated with low confidence

**Module 2:**

**Implementation of syntax tree using AST library of python**

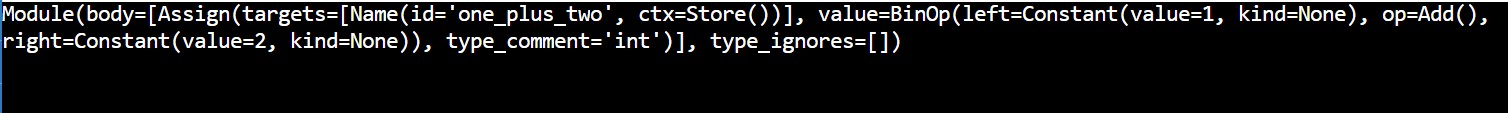
**Code:**

import ast

code = 'one\_plus\_two = 1+2 # type: int'

tree = ast.parse(code, type\_comments=True)

print(ast.dump(tree))

**Output:** 

**Github Link:**

<https://github.com/abdullahmad12/Lexical-Anaylysis-and-AST-Library.git>