



SNS College of Engineering
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Expression, Statements and Tuple Assignment

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Expressions

- An expression is a combination of values, variables, and operators
 - $Z=x+y$ (Arithmetic expression)
 - $a>b$ (Relational expression)
 - and + then (string expression)



Statements

- A statement is a unit of code that the Python interpreter can execute
- Two kinds of statement

1. print

Ex: print a=12

2. assignment

a=12

Difference between expression and statement

s.no	Exp	statement
1	Has a value	Does not have a value



Tuple Assignment

- A tuple is a sequence of values.
- The values can be any type, and they are indexed by integers
- Example Swap to variables
 - `>>> temp = a`
 - `>>> a = b`
 - `>>> b = temp`
- Tuple assignment
 - `>>> a, b = b, a`



The left side is a tuple of variables; the right side is a tuple of expressions

- Each value is assigned to its respective variable
 - `>>> a, b = 1, 2, 3`
 - `ValueError: too many values to unpack`
- The number of variables on the left and the number of values on the right have to be the same

Thank You