Expt. No.		Page No. 1
Ex. No.	Day - 1	Date

Keywords:

Keywords are predefined, reserved words used in python programming

We cannot use a keyword as a variable name, function name, or identifier.

⇒ In python there 35 keywords like none, break, in, except, raise, take - - -

Identifiers

It are the name given to variables, classes, methods, etc.

Method / function identifiers

Ex: def calculate_area(length, width):
    return length * width

Identifiers

Class identifiers

Class students:

Some Rules

start with letter (or) underscore
don't start with number
don't use keywords

Variable:

It is a container (or) storage area

- **Variables vs identifiers**

identifiers are names given to entities like variables, functions, class, etc.

variable are specific type of identifier used to store and manipulate data.

- **Constants:**

A constant is a variable value doesn't change.

a = 100 ← constant.

```
import constant
Ex: print (constant.PI)
    Print (constant.gravity)
```

- **Literals**

It are representations of fixed values in a prog

They can be numbers, characters, strings, etc.

a = 100
↓ variable → literal

Types of literal

1. Numeric literals
2. string
3. Boolean 4) None 5) Bytes and Byt

- Data types: ① String ② int ③ complex ④ float ⑤ list ⑥ tuple ⑦ dictionary ⑧ set ⑨ boolean (True / False) ⑩ None

Tuple - immutable - cannot change (, ,)

list - mutable - can change [, ,]

dict = {name : mohith, age : 21}

Set = list of element cannot repeat

None : a = None

- Type conversions :

It is process of converting data of one data type to another data type.

Introduction to ASCII values

The ASCII value of a character is a number.

Ex: A = 65 B = 66 C = 67
a = 97 b = 98 c = 99

① ord() -> It is used find value of letter.
② chr() -> It is used find letter of value

67 = C
A = 65

Operators

① Arithmetic operators +, -, *, /,
② Assignment operators
③ Comparision operators
④ Logical operators
⑤ Bitwise operator
⑥ special operators

//, %, **

a = 1
b = 2
c = a+
print(

3/2 = 1.5

3//2 = 1

② Assignment operators : =, +=, -=

*=, /=, //=, %=, **=

a = 10
b = 20

a = a+b
same
a += b

③ Comparision operators

a==b ==, !=, >, <, >=, <=