

String Literal:- It is a Sequence of character enclosed within single quotes or double quotes or triple quotes.

- Single line String:- It is enclosed within single quotes or double quotes.

e.g. 'This is Python Session'
 or
 "This is Python Session"

- Multi line String:- It is enclosed within double quotes or triple quotes.

→ Using double quotes:-

```
"Hi, How are you\  
I am fine\  
what are you doing\  
I am writing a Program"
```

In System above data will be consider as:-

Hi, How are you I am fine what are you doing I am
Writing a Program

→ By Using Triple Quotes:-

"""Hi, How are you
I am fine
what are you doing
I am writing a Program"""

Inside System:-

Hi, How are you
I am fine
what are you doing
I am writing a Program

Boolean Literal:- It contains only

two values:- True, False

None Literal:- It represents absence
of value. We use None keyword

for None Literal.

Identifier:- It is a single word used for providing name to various entities like variable, function, class, object etc. Such that they can be identified.

Rules for creating Identifier:-

1. It may be a sequence of:-
 - uppercase character (A, B, C, ..., Z)
 - lowercase character (a, b, c, ..., z)
 - digits (0, 1, 2, 3, ..., 9)
 - underscore character (-)
 2. Digits cannot be used as first character
 3. Keywords cannot be used as an Identifier.
-

Note:-

- Python is case-sensitive
- Two entities must have different name.

- Identifier must be created in such a way that it clearly specifies the purpose of its creation.

e.g.

age,

Selling Price (X) Space not allowed

SellingPrice (✓)

Selling_price (✓)

2num (X) digit as first
character not allowed

num2 (✓)

Variables

Variable is the name of memory location which holds data.

Syntax to create a variable

Variable name = value

e.g.

num1 = 50

Integer

price = 10.0

Floating

name = 'Ashish'

String

Displaying data of variable

print(variable name)

e.g.

price = 10.0
print(price)

Output:- 10.0

Displaying variable along with message

```
print("Message", variable_name)
```

```
print(variable_name, "Message")
```

```
print("Message1", variable, "Message2")
```

e.g.

Program:-

```
num2 = 10
```

```
price = 200.0
```

```
age = 30
```

```
print(num2, " is natural number")
```

```
print("Cost Price of book is! Rs", price)
```

```
print("Ramesh is", age, " year old")
```

Output:-

10 is natural number

Cost Price of book is: Rs 200.0

Ramesh is 30 year old

Input of data through keyboard

(i) for String data

```
Variable name = input("Message")
```

(ii) for Integer data

```
Variable name = int(input("Message"))
```

(iii) for float data

```
Variable name = float(input("Message"))
```

Program :-

#input of age through keyboard

```
age = int(input("Enter age(in year):"))
```

#input of cost price of book through keyboard

```
cp = float(input("Enter cost price of book(in Rs):"))
```

#Displaying data to the user

```
print("-----")
```

```
print(" Age: ", age, " year")
```

```
print(" Cost Price of book: Rs", cp)
```

Output :-

Enter age in year: 20

Enter cost price of book in Rs: 500

Age: 20 year

Cost Price of book is: Rs 500.0
