

Rules for naming variables

1. can contain letters, numbers and underscores.
2. Variable names are case-sensitive
3. cannot use Python keywords.

3/11/25

```
n = input("enter your name")
```

```
p = input("enter your place")
```

```
print(f' my name is {n} , my place is {p}') - format method
```

(or)

```
print('my name is', n, 'my place is', p)
```

* To know the data type

```
type(n) | = int (or) print(type(n))
```

* Data types

- It tells the type of value a variable holds

(or) what kind of data is stored in memory

1. Single value: These data types store only one value at a time

Ex: int, float = 3.14

bool = True, False

NoneType = None

1. multi value Data types

• It can store multiple values in a single variable.

Ex: 1) Str: Sequence of char Ex: "Python"

2) List: ordered, changeable [10, 20, 30]

3) tuple: ordered, unchangeable (1, 2, 3) or (1, True, "v")

4) set: unordered of unique items {1, 2, 3}

5) dict: collection of key-value

python : {"name": "vishu", "age": 22}

6) Range: Sequence of no range(5)

* multiple assignment

a, b, c = 10, 20, 30 or a=10; b=20; c=30;

a=b=c=100