

Day 02 – Python Basics: Variables, Printing & Multiple Assignments

Learn how to declare variables, assign values, print them, and perform multiple variable assignments in Python.

Variables in Python

Variables are containers used to store data. Python is dynamically typed, so you don't need to declare the data type explicitly.

```
In [1]: first_name = 'Arman'
last_name = 'Pathan'
country = 'India'
city = 'Mumbai'
age = 23
is_married = False
skills = ['Python', 'JS', 'SQL', 'Flask', 'AI']
person_info = {
    'firstname': 'Arman',
    'lastname': 'Pathan',
    'country': 'India',
    'city': 'Mumbai'
}
```

Printing Variables

We can use the `print()` function to display the content of variables.

```
In [2]: print('First name:', first_name)
print('First name length:', len(first_name))
print('Last name: ', last_name)
print('Last name length: ', len(last_name))
print('Country: ', country)
print('City: ', city)
print('Age: ', age)
print('Married: ', is_married)
print('Skills: ', skills)
print('Person information: ', person_info)
```

First name: Arman
First name length: 5
Last name: Pathan
Last name length: 6
Country: India
City: Mumbai
Age: 23
Married: False
Skills: ['Python', 'JS', 'SQL', 'Flask', 'AI']
Person information: {'firstname': 'Arman', 'lastname': 'Pathan', 'country': 'India', 'city': 'Mumbai'}

Multiple Assignments

Python allows declaring and assigning multiple variables in a single line.

```
In [3]: first_name, last_name, country, age, is_married = 'Arman', 'Pathan', 'India', 23, True
```

Printing Multiple Variables

Print all variables to verify the values assigned.

```
In [5]: print(first_name, last_name, country, age, is_married)
print('First name:', first_name)
print('Last name: ', last_name)
print('Country: ', country)
print('Age: ', age)
print('Married: ', is_married)
```

Arman Pathan India 23 True

First name: Arman

Last name: Pathan

Country: India

Age: 23

Married: True