

# 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
```