

## VARIABLES AND DATA TYPES

### 1. What is a variable ?

- Variables are reserved memory locations that are used to store values and are referenced by a name.

Example: Assigning a contact number and referencing it by a contact name

### 2. How to define a variable?

- Syntax to define a variable is as follows:

variableName = value

Example: phoneNumber = 12345

### 3. What are the rules for declaring a variable?

- Variable name should start with an alphabet or underscore ('\_') followed by any number of alphabets, digits and underscores

- Variable names are case sensitive.

Example: phoneNumber is different from PhoneNumber and phonenumner

- Variable name cannot be a reserved name

Example: print, if, for, etc

- Variable name cannot contain any special character other than underscore

### 4. What are the different data types in Python ?

In Python, data types are broadly classified into the following:

1. Numbers
2. List
3. Tuple
4. Strings
5. Dictionary