

Overview of Pre-defined Functions

Print to PDF ►

Let us get an overview of Pre-defined Functions using Python. We will go through the details related to string manipulation, date manipulation, numeric functions etc.

- All the programming languages have robust pre-defined functions.
- Pre-defined function means the function which is available out of the box.
- We can leverage these functions to add key functionalities required as part of our application.
- As part of our applications, typically we read the data from databases or files. Also data is typically passed as part of requests (REST APIs)
- Once data is read from databases or files, we process the data. This is where the pre-defined functions comes handy.
- After data is processed, either we save the data back to database or files or provide responses to requests such as REST API requests.
- Even though there are thousands of pre-defined functions as part of Python as well as Python based libraries, let us explore most common ones to begin with.
 - Numeric Functions
 - String Manipulation Functions
 - Date Manipulation Functions
- Here are the examples of users data that is read from files
 - CSV (Text File) - '1,123 456 789,Scott,Tiger,1989-08-15,+1 415 891 9002,Forrest City,Texas,75063'
 - JSON - {"id": 1, "uniq_id": "123 456 789", "first_name": "Scott", "last_name": "Tiger", "dob": "1989-08-15", "contact_no": "+1 415 891 9002", "city": "Forrest City", "state": "Texas", "zip": 75063}
- We also use JSON as part of REST API requests and responses.
- We will use above data to explore the functions that are available as part of Python.