**Functions:**

* User defined function
* Built-in function
* Anonymous function

**Arguments:** pass by reference

**Types of arguments:**

* Required arguments
* Keyword arguments
* Default arguments
* Variable-length arguments

**Recursion**

**Standard Library**

* Math
* String
* List

**Regular Expression**

* Match()
* Findall()
* Search()
* Sub()

**File operations**

* Open()
* Close()
* Read()
* Write()

**Assignments:**

1. Write a function to print largest number from provided 3 values as parameter.
2. Write a function to swap two values provided as arguments.
3. Write a function to compute simple interest using provided values as arguments if rate of interest is not provided consider it as 3.5%.
4. Write a function to compute the sum of data of variable length.
5. calculate factorial of a given number using recursion.
6. print fibonacci series using recursion.
7. Check whether given string is palindrome or not using recursion.
8. Implement stack.
9. Implement queue.
10. Demo of all types of arguments.
11. Write program using all file operations.
12. Demo of functions of regular expressions.

**References:**

1. CC\_PY\_Basic.pdf
2. CC\_PY\_Basic\_Assignments.pdf
3. day\_2\_supportingDoc.pdf