



# Python Programming Language(BCSG1001) ASSIGNMENT 02

SHARED WITH SECTIONS F, H, J, S

B.TECH 1ST YEAR CSE 2ND SEMESTER

DATE OF ASSIGNMENT 09-MARCH-2022

DATE OF ASSIGNMENT SUBMISSION 10-MARCH-2022

All questions are compulsory with neat and clean handwriting

Python3

- 1) What are the logical operators and bitwise operators in Python. Explain each with suitable examples.
- 2) What does a negative step size mean in Python range slicing (e.g. s[5:1:-1])?. Write the statements to reverse the sequential data(e.g. string) using range slicing.
- 3) Write any five string methods in Python which returns integer only and explain each with suitable examples.
- 4) How many built-in functions are in Python3? Explain any four built-in functions with suitable Examples.
- 5) How do we use loops in Python? Explain for loop and while loop with suitable example. What is the purpose of else clause for loops?. Explain keywords break, continue and pass in Python with suitable examples.
- 6) Write a Program to implement an autocomplete system. That is, given a query string p and a set of all possible query strings, return all strings in the set that have p as a prefix. For example, given the query string "de" and the set of strings ["dog", "deer", "deal"] return "deer" , "deal"

# Assignment guidelines for students

- ▶ Students are required to prepare assignments in their own handwriting.
- ▶ Students must maintain academic integrity and work on the assignments at their own. Direct copying of assignments from another student(s) is prohibited. If found guilty, zero marks will be awarded to the student(s).
- ▶ Last Date for Submission of Assignments is **Thursday, March 10, 2022** in there respective lecture timing.
- ▶ Late submission of assignments will not be accepted in any case and the students who fail to submit the assignments will be awarded zero marks.
- ▶ General Guidelines:
- ▶ Paper Size must be A4 (Standard white plain paper )
- ▶ Assignment should contain page numbers (1, 2, 3....) starting from first question.
- ▶ Page number should be placed at the bottom-center of page.
- ▶ Students must mention all the details on the title page as specified

Name of Student: \_\_\_\_\_ Program Name and Section: \_\_\_\_\_

Assignment No.: \_\_\_\_\_ Class Roll No. of Student: \_\_\_\_\_

Subject: \_\_\_\_\_

Faculty: \_\_\_\_\_

Date of Allotment: \_\_\_\_\_

Date of submission: \_\_\_\_\_