Practical-4 (9)

Topics: functions, OO Concepts

1. Develop a menu-based python program (menu items: 1. String length 2. Join strings 3. Compare strings 4. Reverse string 5. Check string is palindrome or not 7. Check word in sentence) by means of user defined functions.
2. Demonstrate creation and usage of Lambda functions.
3. Create a class Student with appropriate data members (rno, name, c_marks, cpp_marks, python_marks, total_marks, percentage, grade) and relevant member functions (input(), show(), calc_total(), calc_percentage() and calc_grade()). Also keep record of total count of Student objects.
4. Create a class BankAccount with appropriate data members (ac_no, ac_name, balance) and relevant member functions (set(), show(), deposit(), withdraw(), calc_interest()). Keep interest_rate as common data member for all objects.