



**ABES Engineering College, Ghaziabad**  
**Department of Computer Science and Engineering (AI&ML) B.Tech.**  
**SEM-II Session: 2023-24 Programming for Problem Solving (BCS 201)**  
**Assignment-5**

---

Q1. Discuss the following string functions in C with suitable code snippet:

- i)        `strrev( )`
- ii)       `strcmp( )`
- iii)      `strcat( )`
- iv)       `strlen( )`
- v)        `strcpy( )`

Q2. Create a suitable structure in C language for keeping the records of the employee of an organization about their Code, Name, Designation , Salary, Department ,City of posting. Also write a program in C to enter the records of 100 employees and display the name of those who earn more than 20,000.

Q3. Explain selection sort technique for sorting problem. Also write an algorithm for selection sort. Sort the following number using selection sort technique-

26, 54, 93, 17, 77, 31, 44, 55, 20.

Q4. Explain the importance of structure in C programming . Write a program in C using structure to enter and print the records of 10 books available in library. Following field may included in the records- book\_title, price, number\_of\_pages.