**Module 1 questions**

1. Write a C program for addition of two polynomials represented using circular linked list.
2. Write a C program for subtraction of one Polynomial from another using doubly linked list.
3. Write a C program for the evaluation a polynomial for some real value of x stored in a doubly circular linked list.
4. Write a C program for the addition of two 2-variable Polynomials. The polynomials are stored in the circular linked lists.
5. Write a C program for the removing all the terms with even exponents from a single variable polynomial stored in a circular linked list.
6. Write a C program for the removing all the terms with odd coefficients from a single variable polynomial stored in a doubly linked list.
7. Write a C program for the removing all the terms with even exponents (summation of x exponent and y exponent) from a 2-variable polynomial stored in a doubly circular linked list.
8. Write a C program for the multiplication of two polynomials represented using circular linked list.
9. Write a C program for the multiplication of two 2-variable Polynomials. The polynomials are stored in the singly linked lists.
10. Write a C program for computing the derivative of the polynomial stored in a circular linked list.
11. Write a C Program for computing the integration of the polynomial stored in a doubly linked list.
12. Write a C Program for computing the Partial differentiation of a 2-variable polynomial stored in a doubly linked list.
13. Write a C program for implementing polynomial Division stored a circular linked list.
14. Write a C program for computing the transpose of a sparse matrix stored in a circular linked list.
15. Write a C program for multiplication of two sparse matrix represented using doubly linked list.
16. Write a C program for implementation of insertion and deletion in a linked priority queue.