

### Assignment for Lab 11

| Q.no. | Input   | Output  |
|-------|---|---|
| 1.    | Enter the number of students: 3<br>Enter the roll number, name and age of each student:<br>12 Adarsh 15<br>15 Bhavesh 15<br>18 Derek 16<br>Data to be inserted: 16 Cavin 14<br>Insert before roll (-ve for end):18<br>Delete for roll :18 | Student 1: 12 Adarsh 15<br>Student 2: 15 Bhavesh 15<br>Student 3: 16 Cavin 14 |
| 2. a) | Enter the number of nodes: 4<br>Enter the data for each node in ascending order of their value: 2 4 7 9<br>Linked list before insertion : 2 4 7 9<br>Enter data you want to insert: 5   | Linked list after insertion :<br><br>2 4 5 7 9                                |
| 2. b) | Enter the size of linked list: 4<br>Enter the elements of the list: 1 5 8 9<br>Enter the element to be entered: 4<br>Linked List:<br>1 5 8 9  | Concatenated Linked List:<br>1 4 5 8 9  |
| 3.    |   | Output:<br>10<br>20   |