Day – 2

1. Implement the below methods in the MyStringLinkedList.java.

// Add the elements in the Sorted order

public void addSorted(String item) { }

public int size(){ }

public boolean isEmpty(){}

public Node getFirst(){}

public Node getLast(){}

public void removeFirst(){}

public void removeLast(){}

public void print(Node n) {}/ /Write a recursive print method to display the elements in the list. Start with the First Node(Head)

1. **Usage of ArrayList API and Comparator in your code**

Create a class called Marketing with fields of employeename, productname, and salesamount. Create an Arraylist for the class Marketing. Implement the following methods in the main class. (Pre-Defined Usage of ArrayList class)

* 1. add() // adding objects to the Marketing
  2. remove() // delete any object from Marketing
  3. Print the size of the list.
  4. Override toString() method to display the contents in the list.
  5. Override the equals() method
  6. Sort the list in natural order for the field salesamount using comparator interface. Your Comparator should be consistent with equals.
  7. Sort the list in natural order using employeename with the criteria of the employee who achieves more than $1000 of salesamount. Write a method to retrieve the result of getting list of employees have more than $1000 sales. Then do the sorting on this result list.

**public static List<Marketing> listMoreThan1000(List<Marketing> list){**

**// Implement a body**

**}**