

## JAVA PROGRAMMING

LA - 7

**Q1** *Design a customer care class for AIRTEL. Hava sufficient variables and operations maintain the log data for the customers those who call airtel. Maintain the log data of the objects as an entry in the Linked List of a collection. Maintain necessary functions supported by linked list collection class.*

### CODE:

```
import java.util.LinkedList;

class CustomerCare {

    private LinkedList<String> callLog;

    public CustomerCare() {

        callLog = new LinkedList<>();

    }

    public void logCall(String customerDetails) {

        callLog.add(customerDetails);

    }

    public void displayCallLog() {

        System.out.println("Call Log");

        for (String entry : callLog) {

            System.out.println(entry);

        }

    }

    public void clearCallLog() {

        callLog.clear();

        System.out.println("Call Log cleared");

    }

    public int getCallLogSize() {

        return callLog.size();

    }

    public boolean searchCallLog(String query) {
```

```

for (String entry : callLog) {

    if (entry.contains(query)) {

        return true;

    }

}

return false;

}

public static void main(String[] args) {

    CustomerCare airtelCustomerCare = new CustomerCare();

    airtelCustomerCare.logCall("Customer A - plan/pack related queries");

    airtelCustomerCare.logCall("Customer B - billing & payments related issue");

    airtelCustomerCare.displayCallLog();

    String query = "Customer B";

    System.out.println("Search result for \"\" + query + "\"? \" + airtelCustomerCare.searchCallLog(query));

    airtelCustomerCare.clearCallLog();

    System.out.println("Shifa Khan 21BBS0255");

}

}

```

## OUTPUT:

```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS C:\Users\AMAAN KHAN> cd "c:\Users\AMAAN KHAN\Desktop\" ; if ($?) {
Call Log
Customer A - plan/pack related queries
Customer B - billing & payments related issue
Search result for "Customer B"? true
Call Log cleared
Shifa Khan 21BBS0255
PS C:\Users\AMAAN KHAN\Desktop> █

```

## SCREENSHOT:

