# **Report for Lab Assignment 4**

## 1.

## **QUESTION:**

Hadoop MapReduce Algorithm

Implement MapReduce algorithm for finding Facebook common friends problem and run the MapReduce job on Apache Hadoop. Write a report including your algorithm and result screenshots.

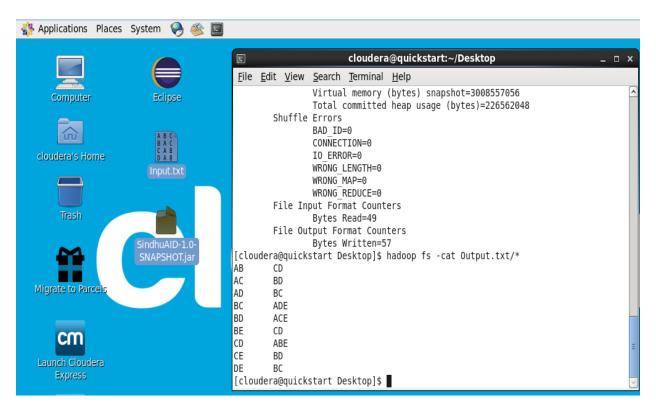
#### **DESCRIPTION:**

MapReduce algorithm to find facebook friends is implemented based on the following input. The output corresponding to the give input is shown below.

ABCD BACDE CABDE DABCE

EBCD

#### **SCREENSHOT:**



# 2.

## **QUESTION**:

Smartphone/Watch Application

Implement a smartwatch/smartphone application using existing speech services/image services (e.g., IBM Alchemyapi, Face++) related to your project.

## **DECRIPTION:**

A Smartphone application is built using speech services. An audio message is received and converted to text message.

## **SCREENSHOTS:**

