LAB - 1

① Odd man out Problem

```
int arr[] = {3, 2, 5, 2, 1, 5, 3};

    int num = 0;
    int i;
    for(i=0; i< arr.length(); i++)

        num ^= arr[i];

        printf("%i\n", num)
```
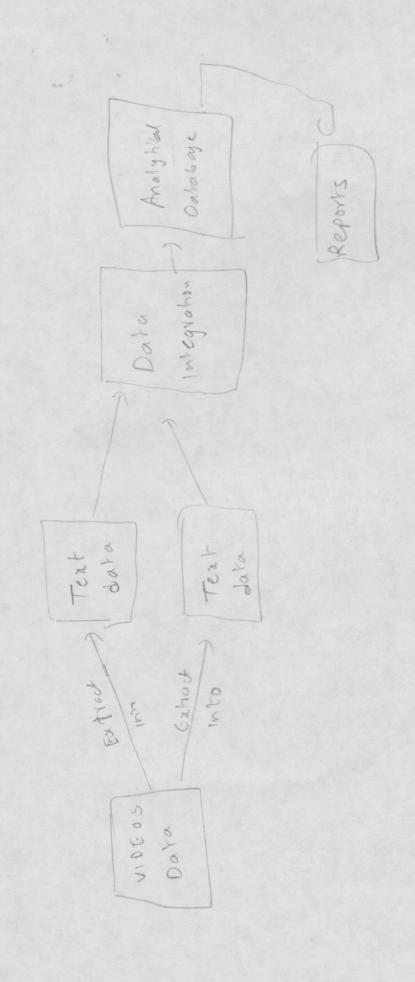
This is the best solution & we are using XOR operation.

②

ⓐ Here the Engineer need to collect individual chimpanzees data like their routine day activities for example their sleeping duration, how much time they eat etc.

ⓑ This can be achieved only by collecting the video of those chimpanzees activities & Extracting their visual data In to the text format and save it.

LAB - 1.

(c) Big Data Analytics help us to analyze the large amount of data and find the Pattern i.e Examines large amount of data to uncover hidden Patterns, correlations & other insights. So by using this Big Data Analytics technology & concepts we can find the Patterns and uncover the ~~hidden~~ useful data. In this way Big Data Analytics will help us to find the activities of chimpanzees.

(d) This will help us to analyze the activity of the chimpanzees and know their activities. People need not to monitor the chimpanzees activity. Once the data is collected we can analyze the Patterns we can know their activity etc.

Analytical Database

Reports

Data Integration

Text data

Text data

Extract into

Extract into

VIDEOS Data