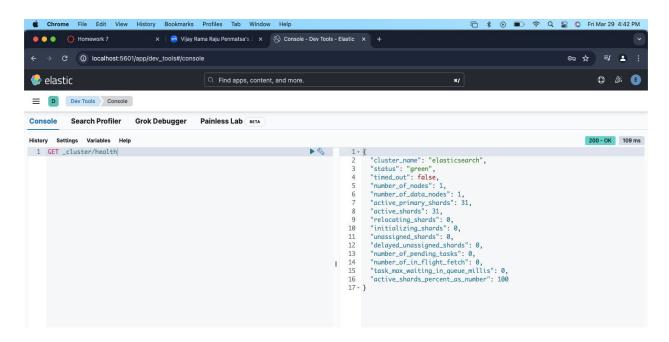
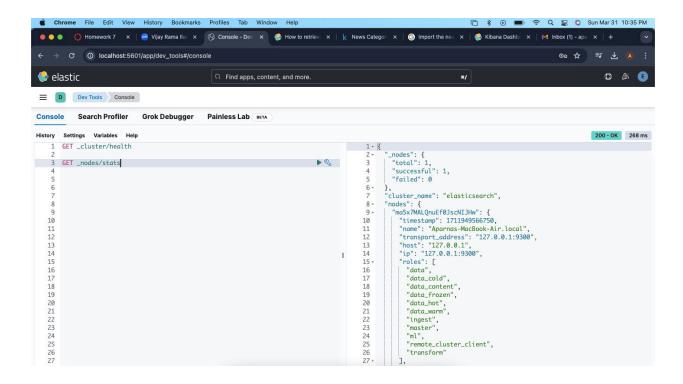
# Homework\_7\_AparnaBharathi\_Suresh

# Question 1:

Show the cluster health and node stats.

#### Screenshot 1:





Query 1:

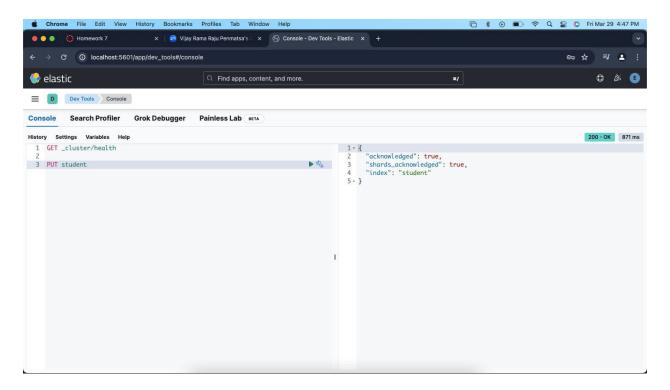
GET\_cluster/health

GET\_nodes/stats

# Question 2:

Create an index with the name 'student'.

## Screenshot 2:



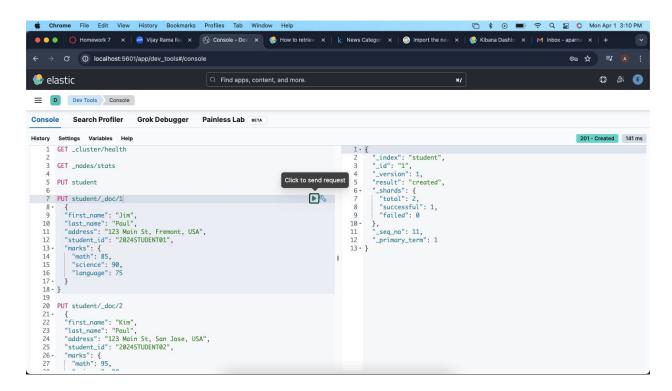
# Query 2:

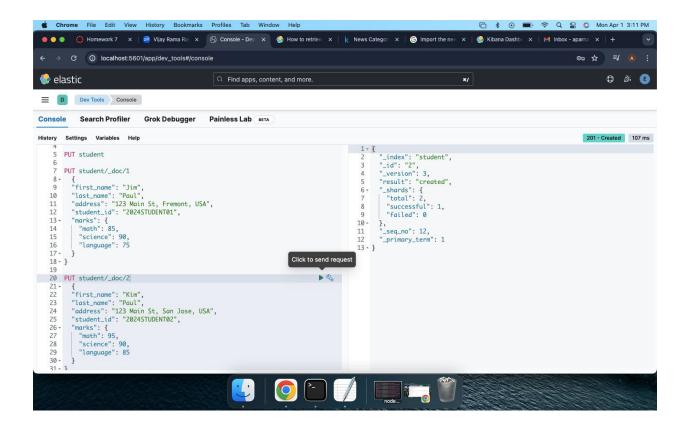
**PUT** student

## Question 3:

Generate an id of your choice for the student to create 2 documents [Student should have fields: First name, last name, Address, Student\_id, Marks]

#### Screenshot 3:





#### Query 3:

```
PUT student/_doc/1
{

"first_name": "Jim",

"last_name": "Paul",

"address": "123 Main St, Fremont, USA",

"student_id":"2024STUDENT01",

"marks":{

"math":85,

"science":90,

"language":75
}
}
PUT student/_doc/2
{

"first_name": "Kim",

"last_name": "Paul",

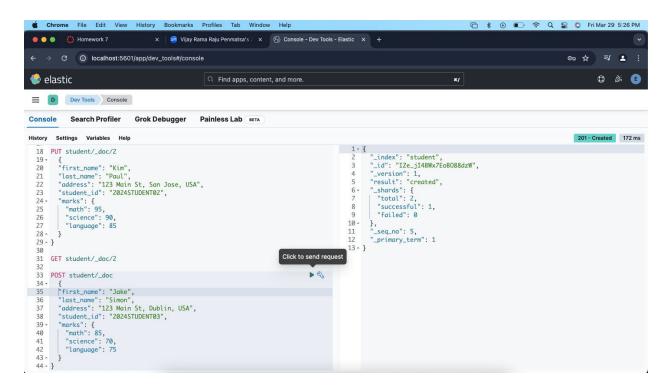
"address": "123 Main St, San Jose, USA",
```

```
"student_id":"2024STUDENT02",
"marks":{
"math":95,
"science":90,
"language":85
}
}
```

#### Question 4:

Autogenerate id for the student to create 1 document.

#### Screenshot 4:



#### Query 4:

```
POST student/_doc
{

"first_name": "Jake",

"last_name": "Simon",

"address": "123 Main St, Dublin, USA",

"student_id":"2024STUDENT03",

"marks":{

"math":85,

"science":70,

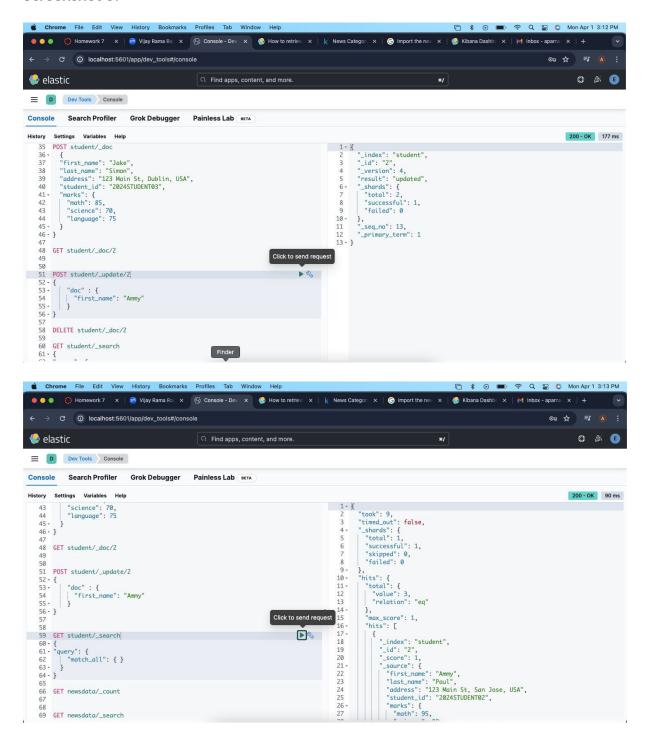
"language":75
}

1
```

#### Question 5:

Perform update operation by any field of the document and display all docs after updation.

## Screenshot 5:



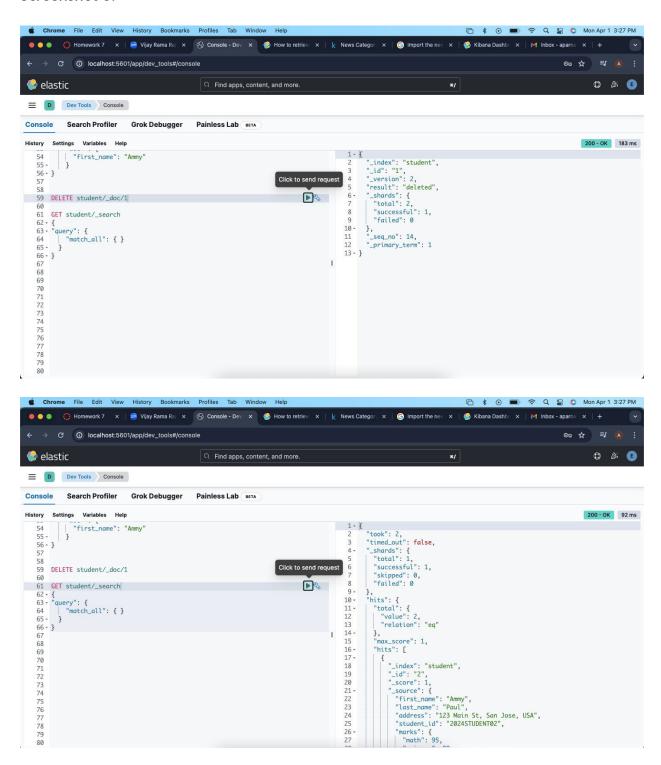
# Query 5:

```
POST student/_update/2 {
  "doc":{
  "first_name":"Ammy"
}
}
GET student/_search
{
  "query":{
  "match_all":{}
}
```

# Question 6:

Delete any one document and display all docs after deletion

#### Screenshot 6:



# Query 6:

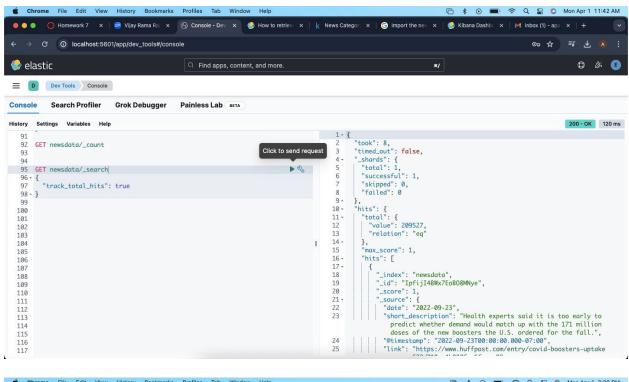
```
DELETE student/_doc/1
GET student/_search
```

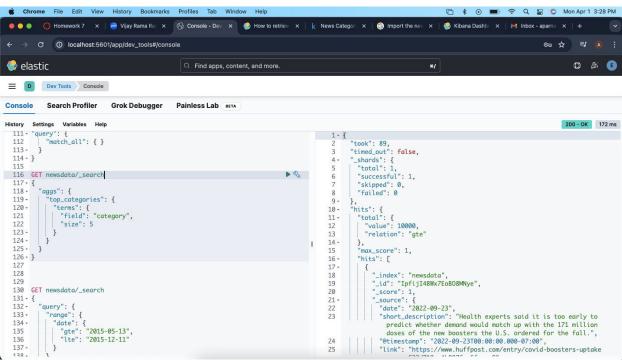
```
{
    "query":{
    "match_all":{}
}
```

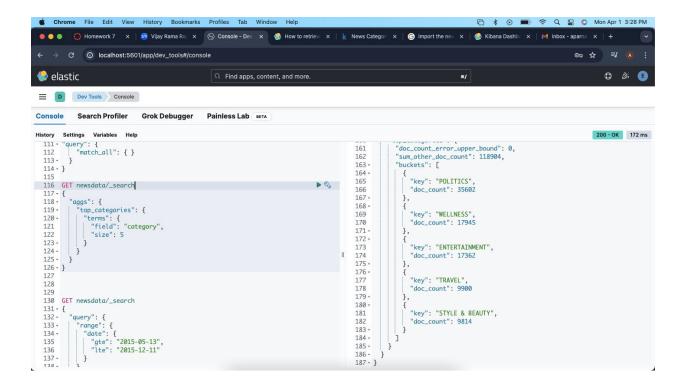
#### Ouestion 7:

Show the total no of hits in the document and analyze the data to show the top 5 categories of news headlines in our dataset

#### Screenshot 7:





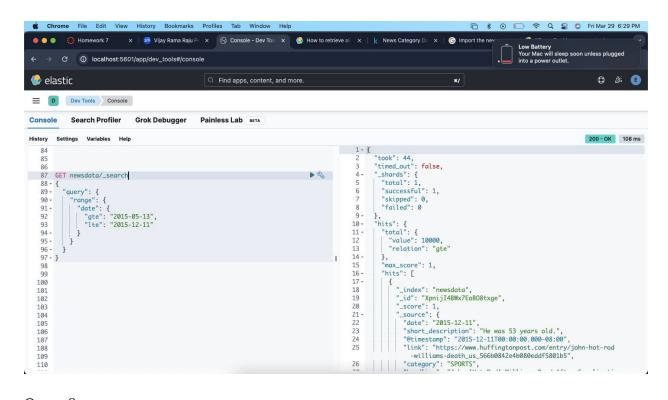


## Query 7:

# Question 8:

Search for data between May 13, 2015, to December 11, 2015

#### Screenshot 8:



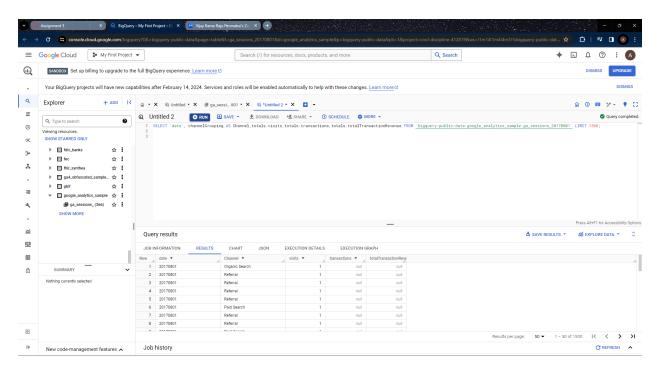
# Query 8:

```
GET newsdata/_search
{
"query":{
    "range":{
        "date":{
            "gte":"2015-05-13",
            "lte":"2015-12-11"
            }
        }
    }
```

# Question 9:

Write a SQL Query to display date, channelGrouping as Channel, total visits, total transactions and total transaction revenue Records, and display the top 1500 rows.

#### Screenshot 9:



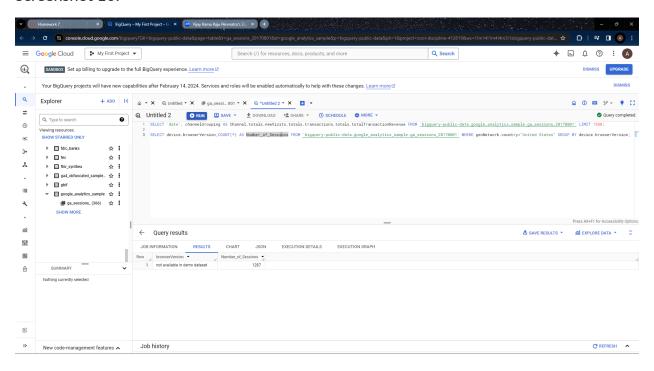
# Query 9:

```
SELECT `date`, channelGrouping AS Channel,totals.visits,totals.transactions,totals.totalTransactionRevenue FROM `bigquery-public-data.google_analytics_sample.ga_sessions_20170801` LIMIT 1500;
```

# Question 10:

Write a SQL query to retrieve the number of sessions that started from the 'United States' country for each browser version in the dataset.

#### Screenshot 10:



## Query 10:

SELECT device.browserVersion, COUNT(\*) AS Number\_of\_Sessions FROM `bigquery-public-data.google\_analytics\_sample.ga\_sessions\_20170801` WHERE geoNetwork.country="United States" GROUP BY device.browserVersion;