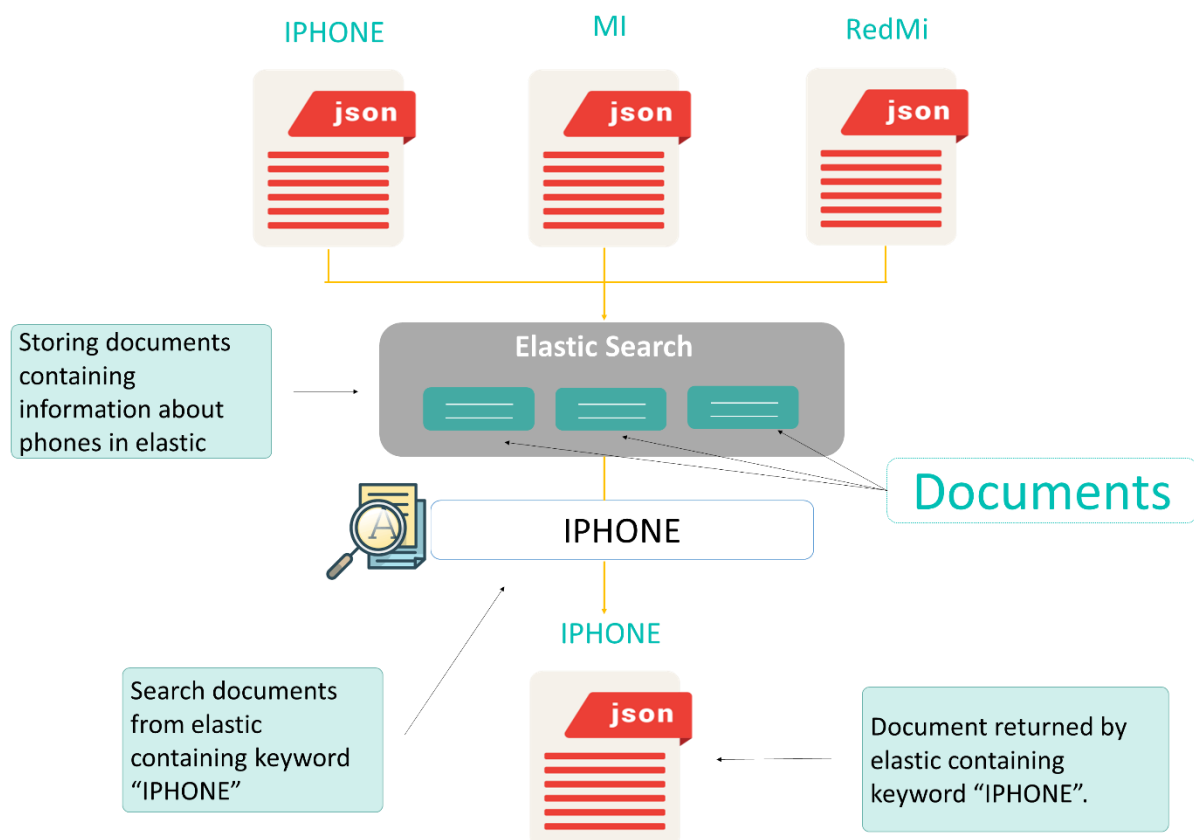


## Q.) When is Elasticsearch used ?

Ans . Elastic search is a NoSQL type data base that is used to store documents. And filter out the document containing specific keywords.

# Why Elastic Search is Used

- Elastic is used to store and search documents.



For example : Suppose you have 5 documents containing smartphone details and want to search for the documents containing key words “Apple + 128 GB”. Elastic search can be used to search for the documents containing “Apple” and “12 GB”.

Suppose you store below 5 documents containing smartphone in elastic search.

```
[
  {
    "mobileName" : "Infix Q34W",
    "title" : "Infinix Smart 6 HD (Force Black, 32 GB)",
    "device" : "Smart Phone",
    "ram" : "32 GB"
  },
  {
    "mobileName" : "APPLE iPhone 14",
    "title" : "APPLE iPhone 14 (Midnight, 128 GB)",
    "device" : "Smart Phone",
    "ram" : "128 GB"
  },
  {
    "mobileName" : "APPLE iPhone 13",
    "title" : "APPLE iPhone 13 (Starlight, 128 GB)",
    "device" : "Smart Phone",
    "ram" : "128 GB"
  },
  {
    "mobileName" : "realme GT Neo 3",
    "title" : "realme GT Neo 3 (Asphalt Black, 256 GB)",
    "device" : "Smart Phone",
    "ram" : "256 GB"
  },
  {
    "mobileName" : "SAMSUNG Galaxy S23 Plus 5G",
    "title" : "SAMSUNG Galaxy S23 Plus 5G (Cream, 256 GB)",
    "device" : "Smart Phone",
    "ram" : "256 GB"
  }
]
```

After running this “Apple + 128 GB” query on elastic search , the documents containing Words “Apple” and “128 GB” will be returned by elastic search.

```
[
  {
    "mobileName" : "APPLE iPhone 14",
    "title" : "APPLE iPhone 14 (Midnight, 128 GB)",
    "device" : "Smart Phone",
    "ram" : "128 GB"
  },
  {
    "mobileName" : "APPLE iPhone 13",
    "title" : "APPLE iPhone 13 (Starlight, 128 GB)",
    "device" : "Smart Phone",
    "ram" : "128 GB"
  }
]
```