Day 3 - Lab Exercise

HBase

Imagine this is what we have usually in a relational database that store **staff** contact information.

ID	Name	Home phone	Office phone	Office address
1000	John Dole	1-425-000-0001	1-425-000-0002	1111 San Gabriel Dr

With HBase, this is what we can achieve.

	Column family: Personal		Column family: Office	
ID	Name	Phone	Phone	Address
1000	John Dole	1-425-000-0001	1-425-000-0002	1111 San Gabriel Dr

Tasks

- Create a HBase database that stores the information above.
- Enter more rows as below.

```
8396    Calvin Raji      230-555-0191    230-555-0191    5415 San Gabriel Dr.
16600   Karen Wu         646-555-0113    230-555-0192    9265 La Paz
4324    Karl Xie         508-555-0163    230-555-0193    4912 La Vuelta
16891   Jonn Jackson     674-555-0110    230-555-0194    40 Ellis St.
```

- Write a query to retrieve all **Personal Phone**.
- Write a query to retrieve all **Office Detail**

Mongo

Similarly, we can use Mongo to store the data from the table above.

Tasks:

- Using the same table as above, create a table in Mongo.

- Staff with ID over 10000 belongs to Senior Management team. Write a query to show the staff from Management team.

- Staff ID starts with "8" belongs to IT department. Write a query to show the staff from IT department.