**REDIS DATA-STRUCTURES USED:**

1. **For Storing Restaurants:**
   1. **HASHES** - to Store the Restaurant and their attributes like services, facilities, working days and hours.

KEY: restaurant:restID

EG:- restaurant:153

VALUE: {

name: 'tacos los volcanes',

address: 'Francisco I. Madero 145 Centro',

city: 'san luis potosi',

country: 'Mexico',

restID: '56',

state: 'san luis potos',

zip: '78290',

facilities\_ambience: 'solitary',

facilities\_parkingSpace: 'true',

facilities\_seatingArea: 'open',

services\_alcohol: 'false',

services\_smoking: 'true',

workingDays: 'Monday',

payments: 'cash',

cuisine: 'Mexican,Chinese,American,Indonesian',

priceRangeMin: '17',

priceRangeMax: '73',

openHours: '1:40 AM',

closeHours: '10:27 PM',

dresscode: 'informal'}

* 1. **LISTS -** Store all the restaurant ids

**EG**:- restids [ 1, 2, 3 ……. ]

Lists are used instead of sets or sorted sets so functions like LRANGE can be perfomed as SETS output random values

* 1. **SETS   
       
       
     1.3.1 Store all the different kind of cuisines**

KEY: cuisines

VALUE: American, Indian, Chinese, Mexican , Cuban ……. etc

**1.3.2** Store restids of all restaurants of a particular type of cuisine so we can query the restaurant by cuisine.

KEY: cuisine:cuisineName

EG:- cuisine:American

VALUE: 445