**Python Code**

from cloudant.client import Cloudant

from cloudant.error import CloudantException

from cloudant.result import Result

from cloudant.result import Result, ResultByKey

# IBM Cloudant Legacy authentication

client = Cloudant("apikey-v2-19tnsio1aucl2iumux6t1auic0wej0ouorbmcthpy6rc", "9683b33231c604a4552d62ef60d95463",url="https://apikeyv219tnsio1aucl2iumux6t1auic0wej0ouorbmcthpy6rc:9683b33231c604a4552d62ef60d95463@2cb2e988-2ce8-4573-b30a-57bb81162555-bluemix.cloudantnosqldb.appdomain.cloud")

client.connect()

database\_name = "sensordata"

my\_database = client.create\_database(database\_name)

if my\_database.exists():

print(f"'{database\_name}' successfully created.")

json\_document = {

"\_id": "1001",

"name":"prathiba"

}

new\_document = my\_database.create\_document(json\_document)

if new\_document.exists():

print("Document '{new\_document}' successfully created.")

result\_collection = Result(my\_database.all\_docs, include\_docs=True)

# Get the result for matching a key

result = result\_collection['1001'] #search by id, if id=1001

print("---------------")

print("the data with id =1001 is")

print (result)

print("---------------")

# Iterate over the result collection

for result in result\_collection:

print(result)# it will print all the records

# First retrieve the document

for document in my\_database:

my\_document = my\_database['1001']

# Update the document content

# This can be done as you would any other dictionary

my\_document['Id'] = 12345

my\_document['Name'] = 'Prathiba'

my\_document['Id1'] = 12456

my\_document['Name1'] = 'Kalyan'

my\_document['Id2'] = 12356

my\_document['Name2'] = 'Ram'

# You must save the document in order to update it on the database

my\_document.save()

result\_collection = Result(my\_database.all\_docs, include\_docs=True)

# Get the result for matching a key

result = result\_collection['1001']

# Iterate over the result collection

print (result)

Output :

