

## A Database in Cloudant DB

Team ID	PNT2022TMID05259
Project Name	Project - Smart Waste Management system foe Metropolitan cities
Maximum Marks	2 Marks

The screenshot displays the IBM Cloudant web interface. On the left, a sidebar menu lists various API management features: Overview, Introduction, Endpoint URLs, Authentication, Auditing, Event tracking, Error handling, Additional headers, Rate limits, Related APIs, and Logging. The main content area is divided into two sections. The top section, titled 'Status Code', lists common HTTP status codes and their meanings: 200 (HTTP response for successful operations), 400 (HTTP error for bad request), 401 (HTTP error for unauthorized), 402 (HTTP error for payment required), 403 (HTTP error for forbidden), 404 (HTTP error for not found), 408 (HTTP error for timeout reading client request), 410 (HTTP error for gone), 413 (HTTP error for payload too large), 415 (HTTP error for unsupported media type), and 429 (HTTP error for too many requests). The bottom section is a code editor with tabs for Curl, Java, Node, Python, and Go. The Python tab is active, showing a JSON response structure with fields like 'pending', 'results', 'changes', 'deleted', 'key', and 'seq'.

Status Code	Description
200	HTTP response for successful operations.
400	HTTP error for bad request.
401	HTTP error for unauthorized.
402	HTTP error for payment required.
403	HTTP error for forbidden.
404	HTTP error for not found.
408	HTTP error for timeout reading client request.
410	HTTP error for gone.
413	HTTP error for payload too large.
415	HTTP error for unsupported media type.
429	HTTP error for too many requests.

```
def get_data():
    url = "https://api.cloudant.com/v1/database/changes?include_docs=true"
    headers = {
        "Content-Type": "application/json",
        "Accept": "application/json"
    }
    response = requests.get(url, headers=headers)
    if response.status_code == 200:
        data = response.json()
        return data
    else:
        return None
```