

ASSIGNMENT 5

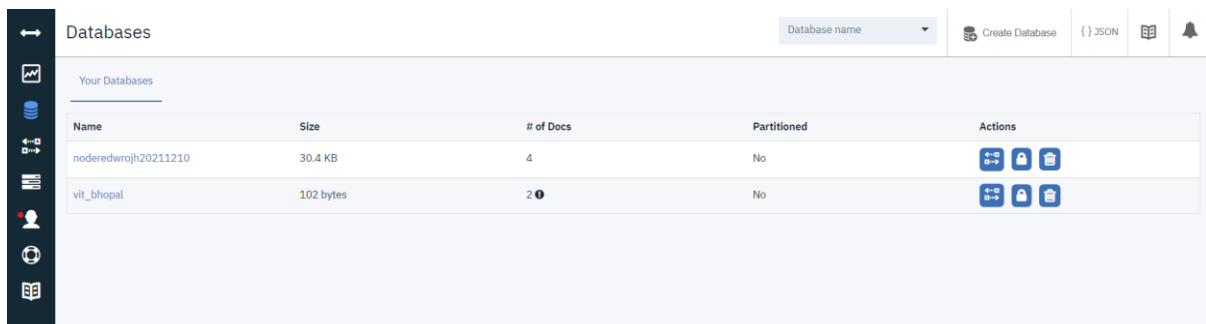
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Reg. No- 19BCY10036

Question - Create a web dashboard to take user input for scheduling the pump controller (date & time). store the data in the Cloudant DB. You can use Form Nodes in dashboard nodes to take user input.

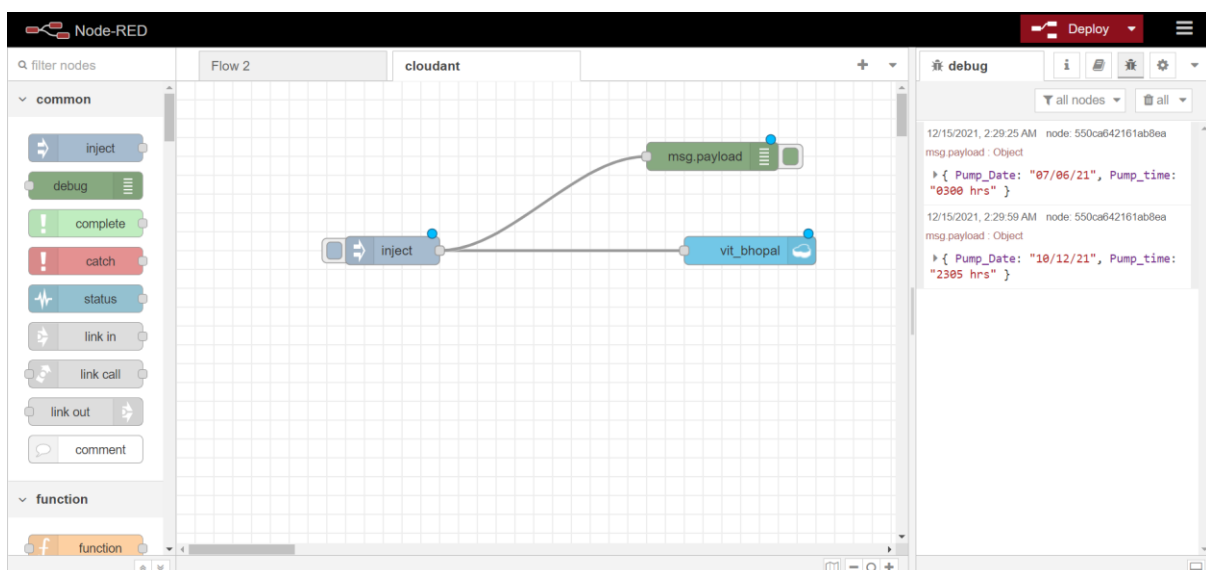
Solution: -

Step 1- Create a new database on cloudant.

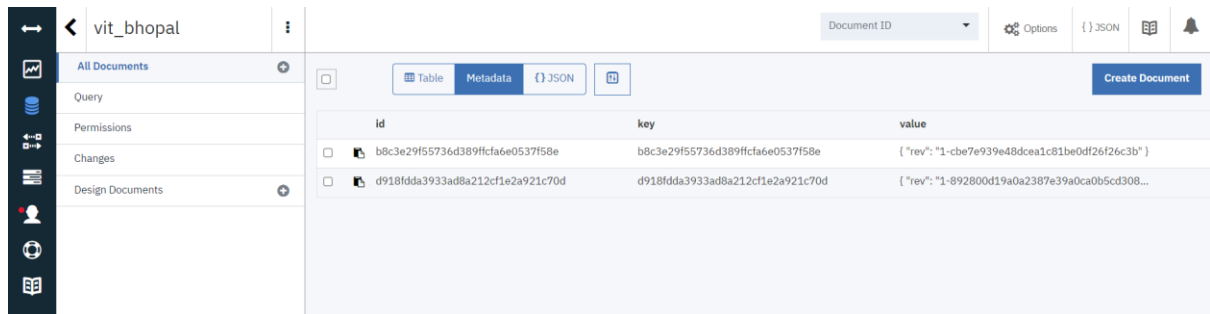


Databases					Database name	Create Database	{ } JSON		
Your Databases									
Name	Size	# of Docs	Partitioned	Actions					
noderedwrojh20211210	30.4 KB	4	No	  					
vit_bhupal	102 bytes	2	No	  					

Step 2- Create a flow on Node-Red.

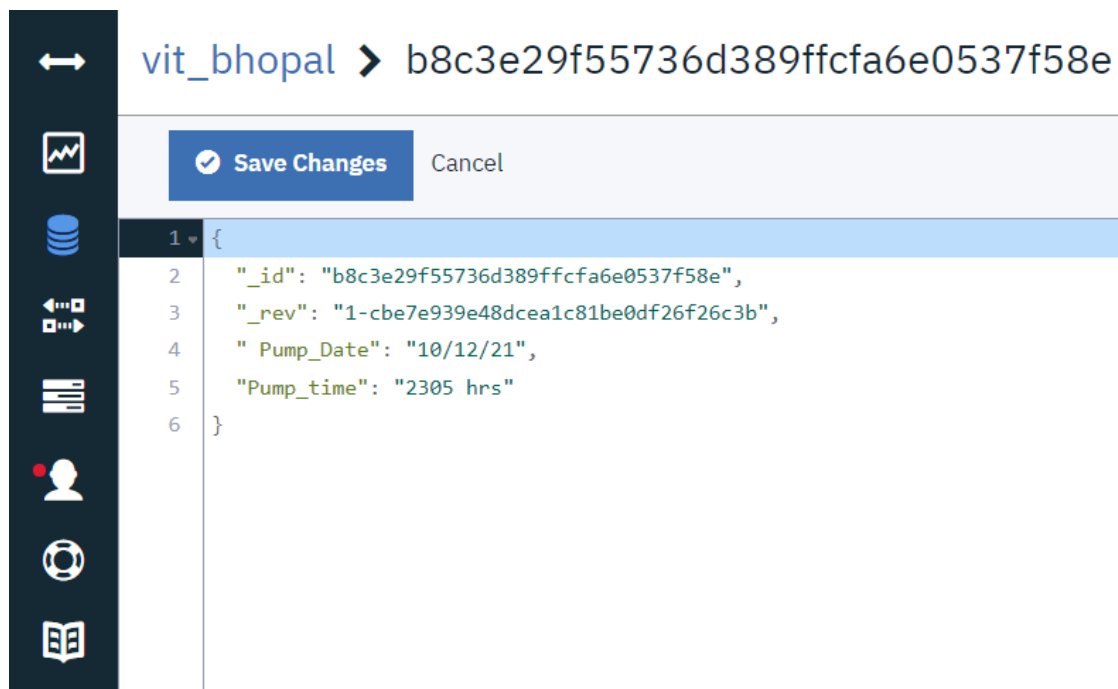


The data is saved in the database.



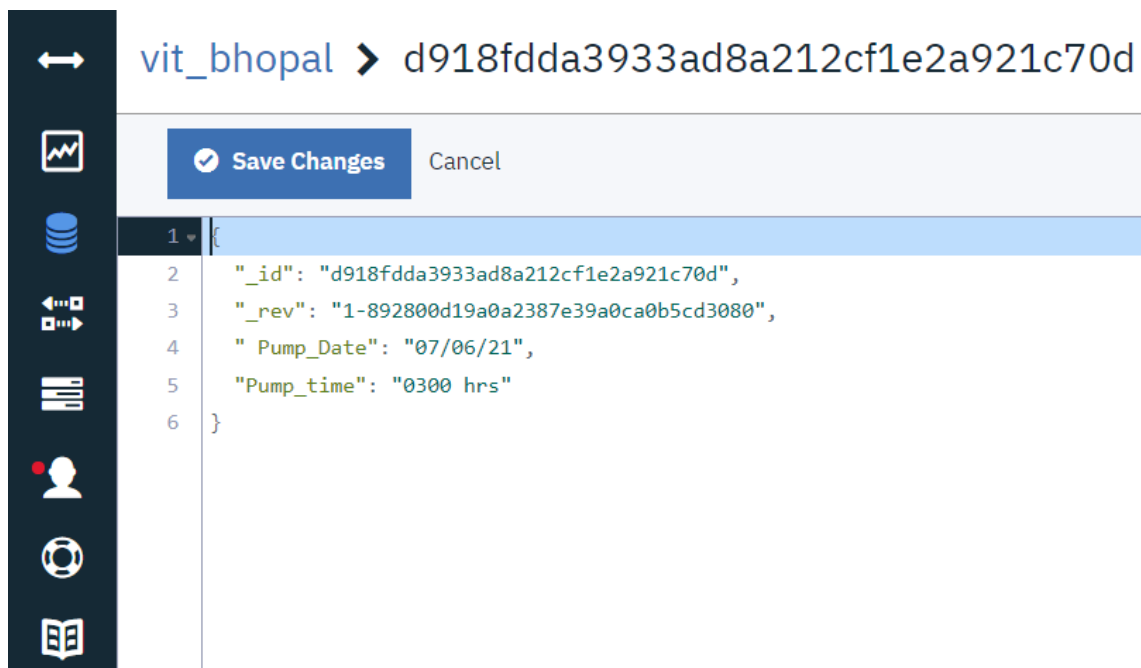
The screenshot shows the 'vit_bhopal' database interface. On the left is a sidebar with navigation icons. The main area displays a table view with two documents. The table has columns for 'id', 'key', and 'value'. The first document has an ID of 'b8c3e29f55736d389ffcfa6e0537f58e' and a value of '{ "_rev": "1-cbe7e939e48dcea1c81be0df26f26c3b" }'. The second document has an ID of 'd918fdda3933ad8a212cf1e2a921c70d' and a value of '{ "_rev": "1-892800d19a0a2387e39a0ca0b5cd3080" }'.

id	key	value
b8c3e29f55736d389ffcfa6e0537f58e	b8c3e29f55736d389ffcfa6e0537f58e	{ "_rev": "1-cbe7e939e48dcea1c81be0df26f26c3b" }
d918fdda3933ad8a212cf1e2a921c70d	d918fdda3933ad8a212cf1e2a921c70d	{ "_rev": "1-892800d19a0a2387e39a0ca0b5cd3080" }



The screenshot shows the 'vit_bhopal' database interface with a document editor open for document 'b8c3e29f55736d389ffcfa6e0537f58e'. The editor has a 'Save Changes' button and a 'Cancel' button. The document content is a JSON object with the following fields: '_id', '_rev', 'Pump_Date', and 'Pump_time'.

```
1 {  
2   "_id": "b8c3e29f55736d389ffcfa6e0537f58e",  
3   "_rev": "1-cbe7e939e48dcea1c81be0df26f26c3b",  
4   "Pump_Date": "10/12/21",  
5   "Pump_time": "2305 hrs"  
6 }
```



The screenshot shows the 'vit_bhopal' database interface with a document editor open for document 'd918fdda3933ad8a212cf1e2a921c70d'. The editor has a 'Save Changes' button and a 'Cancel' button. The document content is a JSON object with the following fields: '_id', '_rev', 'Pump_Date', and 'Pump_time'.

```
1 {  
2   "_id": "d918fdda3933ad8a212cf1e2a921c70d",  
3   "_rev": "1-892800d19a0a2387e39a0ca0b5cd3080",  
4   "Pump_Date": "07/06/21",  
5   "Pump_time": "0300 hrs"  
6 }
```