

SPRINT 1

Date	4 November 2022
Team ID	PNT2022TMID18070
Project Name	Personal assistant for senior people who are self Reliant
Maximum Marks	8 Marks

Creating a Node Red Service :

Node red act as a middleware for communicating between IOT devices and IBM services by using the REST API, We have implemented a msg.payload for testing out the Node Red.

The screenshot displays the Node-RED web interface. On the left, the 'common' and 'function' node palettes are visible. The central workspace shows a flow named 'Flow 1' with two nodes: a 'Hello World' node (blue) and a 'msg.payload' node (green). The 'debug' console on the right shows the following log entries:

```
11/5/2022, 10:13:42 AM node: msg.payload
msg.payload: Object
{ id: "10-11-2022 12:00",
  name: "dolo" }

11/5/2022, 10:38:24 AM node: IBM IoT
msg: string[41]
"Error: Connection refused: Not
authorized"

11/5/2022, 10:38:24 AM node: msg.payload
msg.payload: string[11]
"Hello World"
```

Creating a Cloudant DB :

The screenshot shows the IBM Cloud Databases console. On the left is a dark sidebar with navigation icons. The main header area includes a 'Databases' title, a 'Database name' dropdown, a 'Create Database' button, and icons for JSON, documentation, and notifications. Below the header, a section titled 'Your Databases' contains a table with the following data:

Name	Size	# of Docs	Partitioned	Actions
medicine	98 bytes	2	No	[Icons for refresh, lock, and delete]

At the bottom right, a status bar indicates 'Showing 1-1 of 1 databases.' and 'Databases per page 20' with a dropdown arrow. A 'Log Out' button is located at the bottom left of the sidebar.

Creating a Text to Speech Service :

The screenshot displays the IBM Cloud 'Getting started with Text to Speech' tutorial page. The top navigation bar includes the IBM Cloud logo, a search bar, and links for 'Catalog', 'Manage', and 'Rajeshwari G's Account'. A left sidebar lists navigation options: 'Manage', 'Getting started' (highlighted), 'Service credentials', 'Plan', and 'Connections'. The main content area is titled 'Getting started with Text to Speech' and includes the text 'Last Updated: 2021-02-02'. The tutorial text explains that the IBM Watson™ Text to Speech service converts written text to natural-sounding speech. It mentions a 'curl'-based tutorial and lists the service's `POST` and `GET /v1/synthesize` methods. A video player is embedded, showing a video titled 'Getting started with Text to Speech' with a duration of 4:22. The video content includes steps for getting started, such as creating a service instance and using the curl command.

Creating a IOT Service :

The screenshot displays the IBM Watson IoT Platform interface. At the top, the header shows the platform name and a user profile. The main navigation bar includes tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. Below this, there are buttons for 'All Devices' and 'Diagnose'. A message states: 'This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.' A search bar labeled 'Search by Device ID' is present. The main table lists device information with columns: Device ID, Status, Device Type, Class ID, Date Added, Descriptive Location, Added By, and Device Class. A single device with ID 123 is shown, with status 'Disconnected' and type 'NodeMCU'. Below the table, a detailed view of the device is shown, including its identity, device information, recent events, state, and logs. The device information section shows: Device ID: 123, Device Type: NodeMCU, Date Added: Oct 21, 2022 9:02 AM, Added By: 713319cs134@smartinternz.com, and Connection Status: Disconnected. The connection status details include: Last Connected: Nov 18, 2022 10:01 PM, Client Address: 50.31.197.64 Insecure, Duration: a few seconds, and Data Transferred: 225 B. The bottom of the interface shows pagination: 'Items per page: 50 | 1-1 of 1 item' and '1 of 1 page'.

IBM Watson IoT Platform

713319cs134@smartinternz.com
ID: 94e9jw

Browse Action Device Types Interfaces

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location	Added By	Device Class
123	Disconnected	NodeMCU	Device	Oct 21, 2022 9:02 AM		713319cs134@smartinternz.com	

Identity Device Information Recent Events State Logs

Device ID: 123

Device Type: NodeMCU

Date Added: Oct 21, 2022 9:02 AM

Added By: 713319cs134@smartinternz.com

Connection Status: Disconnected

Last Connected: Nov 18, 2022 10:01 PM

Client Address: 50.31.197.64 Insecure

Duration: a few seconds

Data Transferred: 225 B

Items per page: 50 | 1-1 of 1 item

1 of 1 page