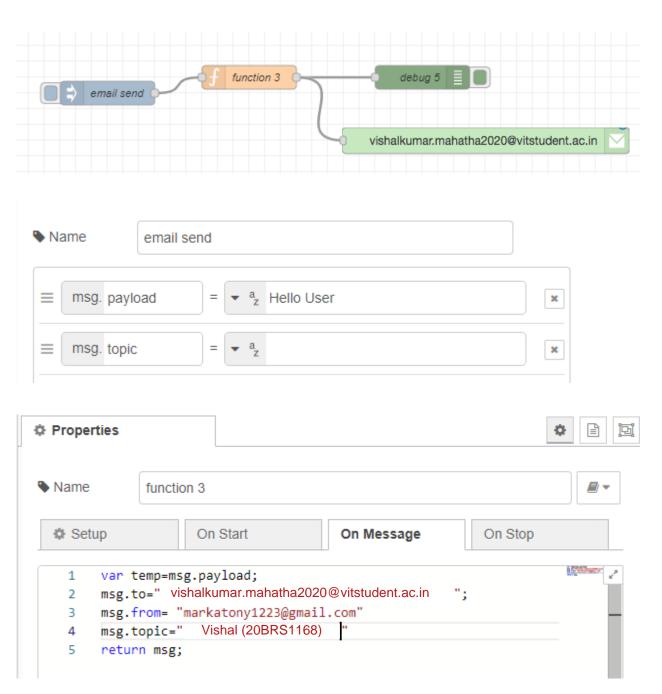
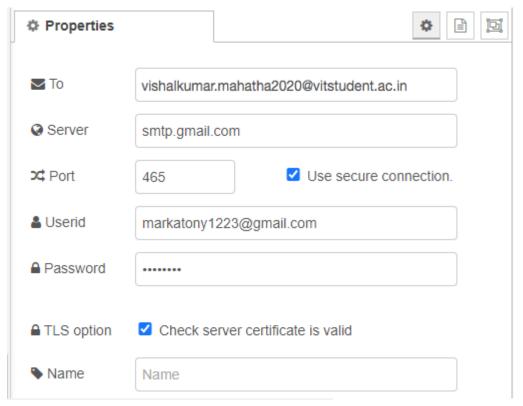
IOT DOMAIN ANALYST LAB-1

NAME: Vishal Kumar Mahatha

REG NO: 20BRS1168

EMAIL NOTIFICATION:





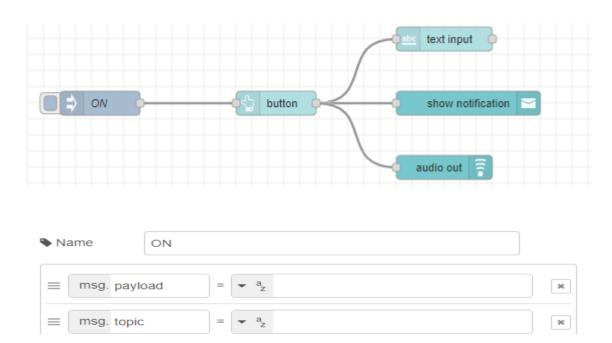
12/7/2022, 5:08:41 PM node: debug 5

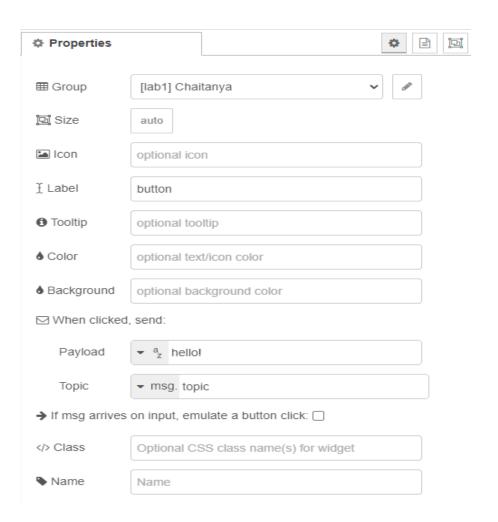
Vishal (20BRS1168) : msg.payload : string[10]

"Hello User"

markatony1223@gmail.com 5:08 PM Vishal(20BRS1168) Hello User

DASHBOARD SHOW NOTIFICATION:



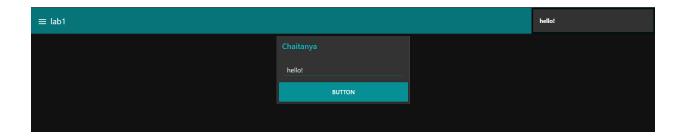


⊞ Group	[lab1] Chaitanya				
ច្រាំ Size	auto				
₹ Label					
Tooltip	optional tooltip				
■ Mode	text input • ① Delay (ms) 300				
→ If msg arrives	on input, pass through to output: 🗸				
Send value on fo	ocus leave: <				
When change	ed, send:				
Payload	Current value				
Topic					
Class	Optional CSS class name(s) for widget				
♦ Name					
!! Layout	Top Right 🗸				
② Timeout (S)	3				
□ Border	(optional) border highlight colour				
→ Send to all browser sessions. ✓					
▲ Accept raw H	TML/JavaScript input in msg.payload to format popup.				
Class	[msg.className]				
≅ Topic	[msg.topic]				
Name Name	Name				
Note: checking	Accord raw UTMI / Java Seriet can allow injection of code				

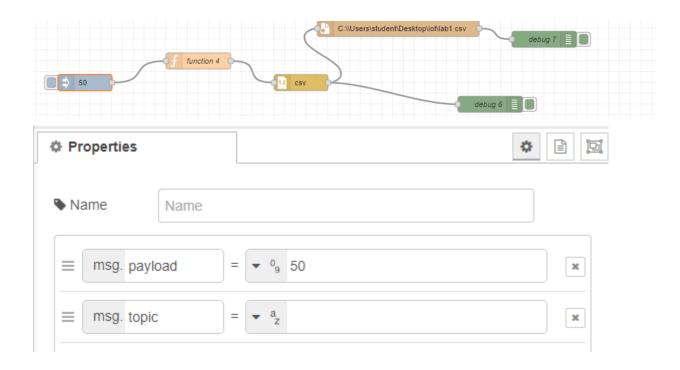
Note: checking *Accept raw HTML/JavaScript* can allow injection of code. Ensure the input comes from trusted sources.

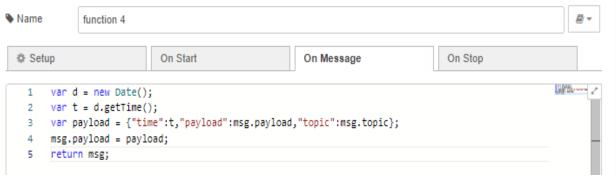
⊞ Group	[lab1] Chaitanya	~	P
Ma TTS Voice	5 : Google UK English Female (en-GB)		~
	☐ Play audio when window not in focus.		
♦ Name	Name		

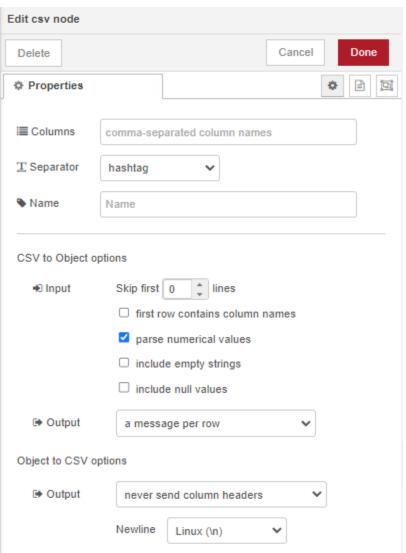
OUTPUT:

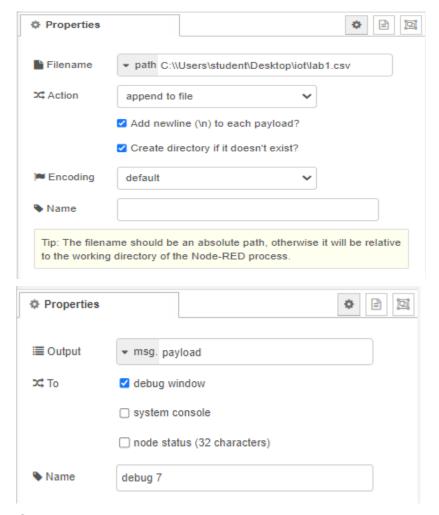


Data format conversions in Node-Red (CSV file processing):









OUTPUT:

12/7/2022, 5:15:12 PM node: debug 6

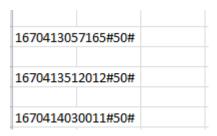
msg.payload : string[18]

▶ "1670413512012#50#⁴"

12/7/2022, 5:15:12 PM node: debug 7

msg.payload : string[18]

▶ "1670413512012#50#⁴"



Problem to solve (Exercise-I) . Drug consumption level notification param

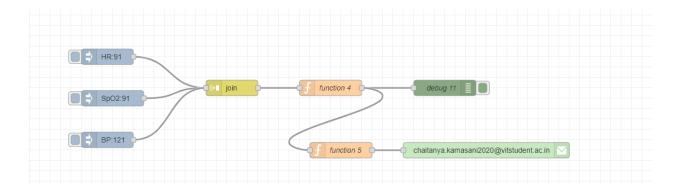
- The drug consumption is identified three levels
 - High
 - Medium
 - Low
- · The consumption is decided based on patient's three parameters
 - HR

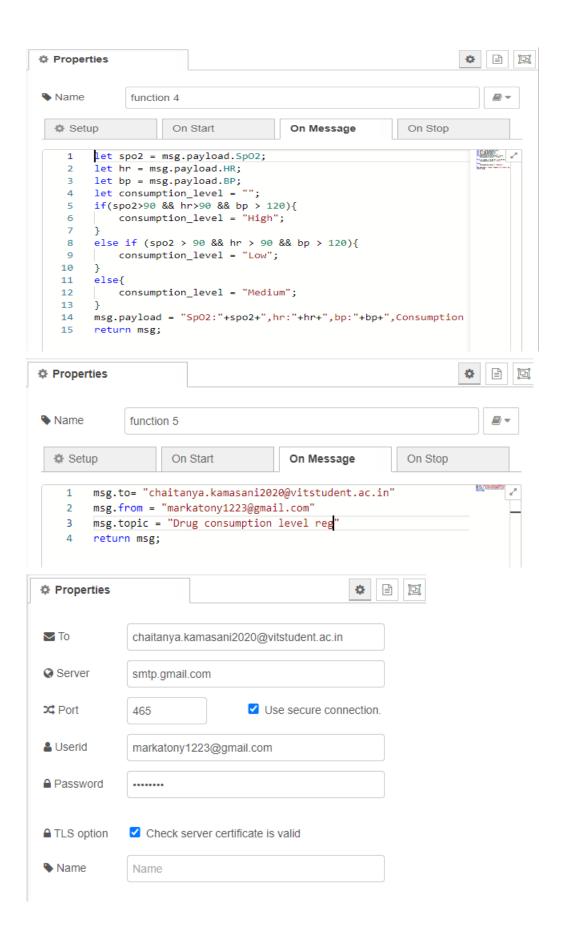
 - SpO2 BP
- If all the values are high alert the indication as "High"
- If all the values are Low alert the indication as "Low".
- · Other cases it is "medium".

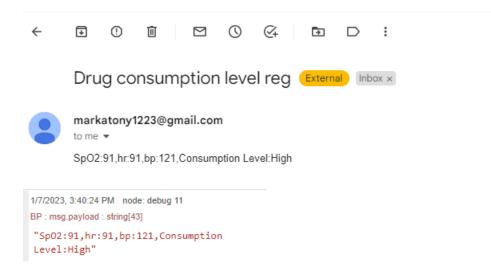
Message notification

- Mention the subject as "Drug consumption level reg".
- Message as HR:80,SpO2:85,BP:100,consu mption level: Medium

Param eter	Normal values	Low	High
HR	Betwee n 60 to 90 beats per minute	<60	>90
SpO2	Betwee n 80 to 90	<80	>90
BP	Betwee n 90mm Hg and 120mm Hg	<90	>120

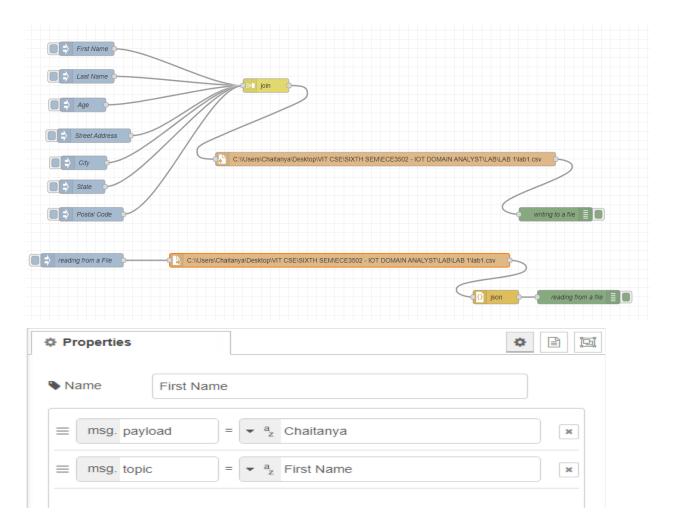


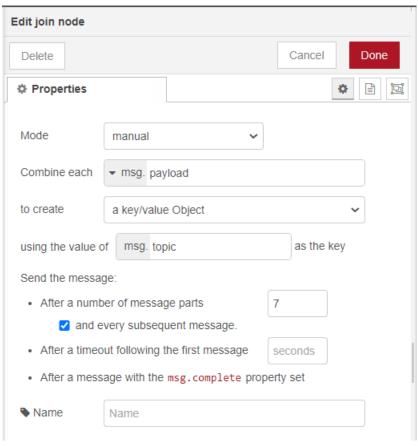


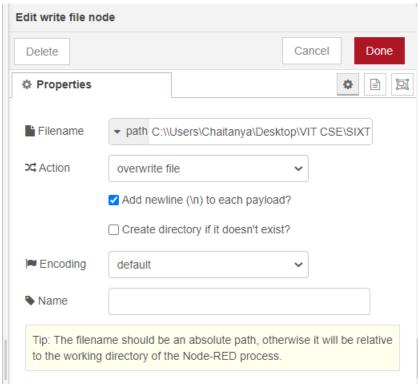


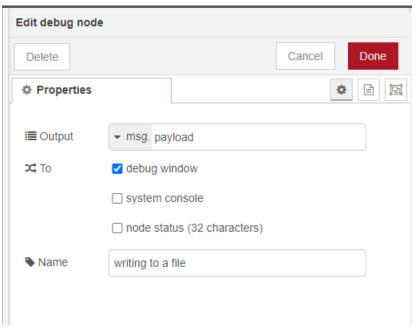
Exercise-II

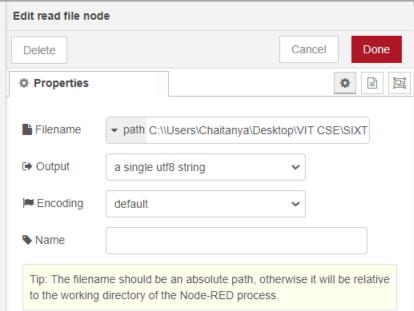
- Practising Writing into file as firstName, LastName, age, Street Address, City, State & Postal code use format data using CSV.
- Read the data from file and convert the data in the following JSON format:
 - firstName
 - lastName
 - age
 - Street Address
 - city
 - state
 - postalCode

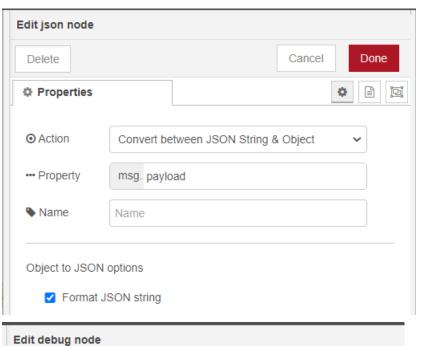


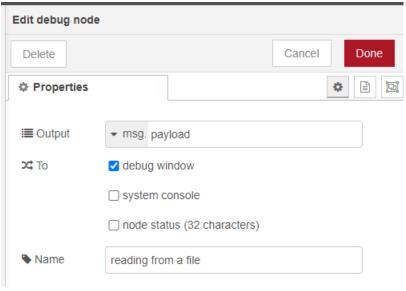


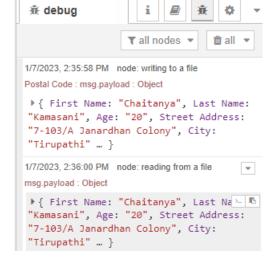












G8	68 √] : [× √ fx][
	Α	В	С	D			G	Н
1	("First Name":"Chaitanya"	Last Name:"Kamasani"	Age:"20"	Street Address:"7-103/A Janardhan Colony"	City:"Tirupathi"	State:"Andhra Pradesh"	Postal Code:"517502"}	
2								
3								