WattsUp Methods

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First and foremost we need to create a method to update value of a particular key.
As of now, writeDataToNode(path, data) writes JSON data to the file but does not update value of a particular key.
Instead of set(), we need to use update() in the new method.
This method will be further used to set the boolean value of users upon the deletion of msgs.
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After the method to update value at a particular key is created.
We need to use the create the following methods using the pre-existing ones we have already created

 1. Fetch Messages

Method to be called when particular user wants to view its chat logs

Parameters -> sender

Function ->

- Retrieve all msg ids from Firebase
- For each msg id, check if the user is set to true
- If the user is set to true, fetch the msg in output
- Output format: msg_id, sender name, msg

2. Add Message

Method to be called upon the user entering a message

Parameters -> msg, sender

Function ->

- Create new message ID
- Set all users boolean as "true" by default
- Set the sender name
- writeDataToNode(path, data) will be used within this method

3. Remove Message

Method is called when the user wants to delete the msg for itself

Parmeters -> msg_id, sender

Function ->

- Check if the msg user wants to delete is from the sender itself
- Set the boolean value of that user to false

4. Remove Message for all

Method is called when the user wants to delete msg for everyone

Parameters -> msg_id, sender

- Check if the msg user wants to delete is from the sender itself
- Set the boolean value of all users to false