Program No:	21
Roll No:	1554
Title of Program :	To send temperature data to thingspeak cloud and generate visualization
Objective :	To manually upload and visualize data on ThingSpeak using a web browser and API key.

Source Code Information

Internet of Things (IoT)

Practical No. 16 (a)

Aim: To upload data on Thingspeak cloud manually.

Steps:

- 1. Go to Google and search for Thingspeak.
- 2. If you are new to Thingspeak, Do sign up and make sure you are on your Channel page.
- 3. Click on the NEW CHANNEL button (Green colour) and create a new channel.
- Enter a channel name, any description of your choice, and make sure one field is selected or ticked and give that field a name of your choice. Click on save.
- 5. Now in the private view, make sure you see a graph (empty).
- 6. Now click on API KEYS tab, scroll down to find API requests section and in that copy the link of Write a Channel Feed and paste it in the Address bar of your browser. And press enter to get a blank screen with a number which indicates the number of data uploaded manually. Following is the example link:

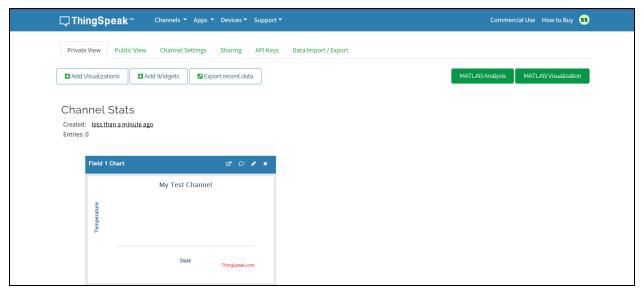
https://api.thingspeak.com/update?api_key=6WEDQNFN3GBKNCQ3&field1=0

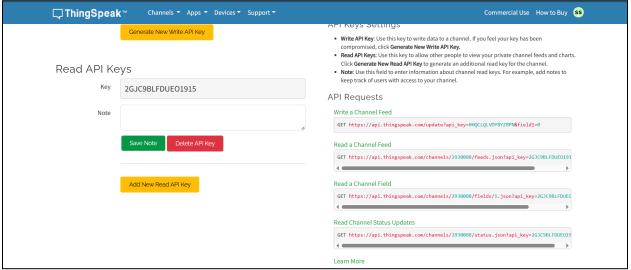
- 7. Suppose you want to change the data to be entered in the graph, just change the
- 8. =0 to any value of your choice in the link. Above is the link, where we had changed 0 to 40.

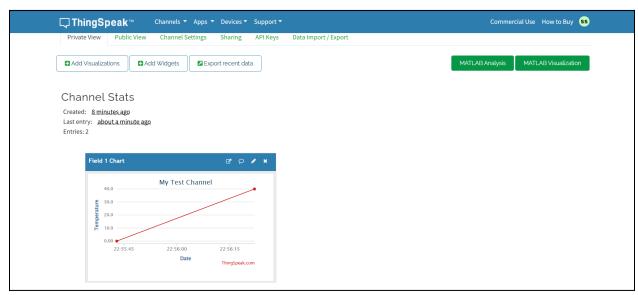
https://api.thingspeak.com/update?api_key=6WEDQNFN3GBKNCQ3&field1=40

9. As a result, to see the visualization (graph), goto the private view and see the graph.

OutPut:







Channel Stats

Created: 8 minutes ago

Last entry: about a minute ago

Entries: 2

