

## DEVELOP A PYTHON SCRIPT TO PUBLISH AND SUBSCRIBE TO IBM IOT PLATFORM

## PUBLISH DATA THE IBM CLOUD

DATE	6 NOVEMBER 2022
TEAM ID	PNT2022TMID25832
PROJECT NAME	SMART SOLUTIONS FOR RAILWAYS

A screenshot of a Python 3.7.0 Shell window. The window has a menu bar with 'File', 'Edit', 'Shell', 'Debug', 'Options', 'Window', and 'Help'. The main area displays a list of 40 log messages, each starting with 'Published data Successfully:' followed by a dictionary containing 'name', 'lat', and 'lon'. The 'name' is consistently 'Train1'. The 'lat' values cycle through 17.6341908, 17.6340889, 17.6248626, 17.6188577, and 17.6132332. The 'lon' values cycle through 76.4744722, 76.4745052, 76.4720259, 76.4698726, and 76.4707318. The messages are repeated 8 times for each set of coordinates. At the bottom right, the status bar shows 'Ln: 5 Col: 0'.

All Devices

🔍 Search by Device ID

Device Simulator   

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location	Added By	Device Class	Firmware Version	Hardware Version
MKS316	Connected	b51m3edevicetype	Device	Nov 3, 2022 12:42 PM		monishkumarts@student.autmd.edu.in			

Identity

Device Information

Recent Events

State

Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
status	{"name":"Train1","lat":17.6188577,"lon":78.469...	json	a few seconds ago
status	{"name":"Train1","lat":17.6248626,"lon":78.472...	json	a few seconds ago
status	{"name":"Train1","lat":17.6340889,"lon":78.474...	json	a few seconds ago
status	{"name":"Train1","lat":17.6341908,"lon":78.474...	json	a few seconds ago
status	{"name":"Train1","lat":17.6387448,"lon":78.475...	json	a few seconds ago

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location	Added By	Device Class	Firmware Version	Hardware Version
generaldevice	Disconnected	generaldevice	Device	Nov 8, 2022 12:01 PM		monishkumarts@student.autmd.edu.in			