

```
ADAFRUIT_IO_USERNAME = "Sushma_"
ADAFRUIT_IO_KEY = "aio_hLTP26551KyZ3VvVDtMENjBqq17W"
```

```
x = "Sushma_"
y = "aio_hLTP26551KyZ3VvVDtMENjBqq17W"
```

```
!pip install adafruit-io
```

```

Collecting adafruit-io
  Downloading https://files.pythonhosted.org/packages/ea/0b/5f2b24a13d283f3b523f6878/
  |████████████████████████████████████████| 51kB 2.2MB/s
Requirement already satisfied: requests in /usr/local/lib/python3.6/dist-packages (fr
Collecting paho-mqtt
  Downloading https://files.pythonhosted.org/packages/59/11/1dd5c70f0f27a88a3a05772cc
  |████████████████████████████████████████| 102kB 5.9MB/s
Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<1.26,>=1.21.1 in /usr/local/
Requirement already satisfied: idna<3,>=2.5 in /usr/local/lib/python3.6/dist-packages
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.6/dist-pa
Requirement already satisfied: chardet<4,>=3.0.2 in /usr/local/lib/python3.6/dist-pa
Building wheels for collected packages: adafruit-io, paho-mqtt
  Building wheel for adafruit-io (setup.py) ... done
  Created wheel for adafruit-io: filename=adafruit_io-2.4.0-cp36-none-any.whl size=20
  Stored in directory: /root/.cache/pip/wheels/05/e7/46/cd3dced11f962217204288f5faee4
  Building wheel for paho-mqtt (setup.py) ... done
  Created wheel for paho-mqtt: filename=paho_mqtt-1.5.0-cp36-none-any.whl size=61415
  Stored in directory: /root/.cache/pip/wheels/02/94/6c/8474137cb7a5a3e001d70a22c8ff9
Successfully built adafruit-io paho-mqtt
Installing collected packages: paho-mqtt, adafruit-io
Successfully installed adafruit-io-2.4.0 paho-mqtt-1.5.0

```

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```
#create a feed
feed = Feed(name='onoff')

result = aio.create_feed(feed)
```

```
↳
```

```
-----
RequestError                                Traceback (most recent call last)
<ipython-input-10-f06174c8ec56> in <module>()
```

result

```
↳ Feed(name='onoff', key='onoff', description=None, unit_type=None, unit_symbol=None, f
```

```
-----
100      # Resource on AdafruitIO not Found Error
```

```
from Adafruit_IO import Data
```

```
#sending a value to a feed
```

```
value = Data(value=0)
```

```
value_send = aio.create_data('onoff',value)
```

```
RequestError: Adafruit IO request failed: 400 Bad Request - ['Name must be unique
```

```
!pip install python-telegram-bot
```

```
↳ Requirement already satisfied: python-telegram-bot in /usr/local/lib/python3.6/dist-p
Requirement already satisfied: certifi in /usr/local/lib/python3.6/dist-packages (fr
Requirement already satisfied: tornado>=5.1 in /usr/local/lib/python3.6/dist-packages
Requirement already satisfied: cryptography in /usr/local/lib/python3.6/dist-packages
Requirement already satisfied: decorator>=4.4.0 in /usr/local/lib/python3.6/dist-pack
Requirement already satisfied: cffi!=1.11.3,>=1.8 in /usr/local/lib/python3.6/dist-pa
Requirement already satisfied: six>=1.4.1 in /usr/local/lib/python3.6/dist-packages (
Requirement already satisfied: pycparser in /usr/local/lib/python3.6/dist-packages (1
```

```
from telegram.ext import Updater,CommandHandler
```

```
import requests
```

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```
return url
```

```
def on(bot,update):
```

```
url = get_url()
```

```
chat_id = update.message.chat_id
```

```
txt = 'light is turning on'
```

```
pic = 'https://upload.wikimedia.org/wikipedia/commons/thumb/5/5d/Green_sphere.svg/1024
```

```
bot.send_message(chat_id,txt)
```

```
bot.send_photo(chat_id,pic)
```

```
value = Data(value=1)
```

```
value_send = aio.create_data('onoff',value)
```

```
def off(bot,update):
```

```
url = get_url()
```

```
chat_id = update.message.chat_id
```

```
txt = 'light is turning off'
```

```
pic = 'https://encrypted-tbn0.gstatic.com/images?q=tbn%3AANd9GcTuueKIndqjMG0r1zPZr00UU
```

```
bot.send_message(chat_id,txt)
```

```
bot.send_photo(chat_id,pic)
```

```
value = Data(value=0)
```

```
value send = aio.create data('onff',value)
```

```

u = Updater('1226706682:AAEHCSVnfdeSKyN7gbkFnMSqaWiJejGA0wI')
dp = u.dispatcher
dp.add_handler(CommandHandler('on',on))
dp.add_handler(CommandHandler('off',off))
u.start_polling()
u.idle()

```

```

... /usr/local/lib/python3.6/dist-packages/ipykernel_launcher.py:32: TelegramDeprecation
No error handlers are registered, logging exception.
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/dist-packages/telegram/ext/dispatcher.py", line 340,
    handler.handle_update(update, self, check, context)
  File "/usr/local/lib/python3.6/dist-packages/telegram/ext/handler.py", line 122, in
    return self.callback(dispatcher.bot, update, **optional_args)
  File "<ipython-input-2-c4af6654ddd3>", line 19, in on
    value = Data(value=1)
NameError: name 'Data' is not defined
No error handlers are registered, logging exception.
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/dist-packages/telegram/ext/dispatcher.py", line 340,
    handler.handle_update(update, self, check, context)
  File "/usr/local/lib/python3.6/dist-packages/telegram/ext/handler.py", line 122, in
    return self.callback(dispatcher.bot, update, **optional_args)
  File "<ipython-input-2-c4af6654ddd3>", line 29, in off
    value = Data(value=0)
NameError: name 'Data' is not defined
No error handlers are registered, logging exception.
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/dist-packages/telegram/ext/dispatcher.py", line 340,
    handler.handle_update(update, self, check, context)
  File "/usr/local/lib/python3.6/dist-packages/telegram/ext/handler.py", line 122, in

```

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```

value = Data(value=1)
NameError: name 'Data' is not defined

```

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