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# -*- coding: utf-8 -*-  
"""
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"""
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```
from yr.libyr import Yr  
import pandas as pd  
import requests  
import json
```

```
def get_weather():  
    weather_df = Yr(location_name='Norge/Tr ndelag/Trondheim/Trondheim')  
    now_df = weather_df.now() # henter v rdata fra Yr  
    temp_val = int(pd.DataFrame(now_df)['temperature']['@value']) # finner luft temeperaturen  
    wind_val = float(pd.DataFrame(now_df)['windSpeed']['@mps']) # finner vindfart  
    # wind_dir = float(pd.DataFrame(now_df)['windDirection']['@deg'])  
    precipitation_val = float(pd.DataFrame(now_df)['precipitation']['@value']) # finner regn  
    #Sends temp, windspeed and precipitation to CoT
```

```
    token = 'eyJhbGciOiJIUzI1NiJ9.eyJqdGkiOiI1NzUxIn0.DeRcDo1IRe0fFV_Iew8WyUbEd02hwzWikjARXvc2oEE'
```

```
    temp_key = '12583'  
    temp_data = {'Key': temp_key, 'Value': temp_val, 'Token': token} # sender lufttemp til CoT  
    t_put = requests.put('https://circusofthings.com/WriteValue',  
        data = json.dumps(temp_data),  
        headers={'Content-Type': 'application/json'})
```

```
    wind_key = '8760'  
    wind_data = {'Key': wind_key, 'Value': wind_val, 'Token': token} # sender vindfart til CoT  
    w_put = requests.put('https://circusofthings.com/WriteValue',  
        data = json.dumps(wind_data),  
        headers={'Content-Type': 'application/json'})
```

```
    precipitation_key = '6464'  
    precipitation_data = {'Key': precipitation_key, 'Value': precipitation_val, 'Token': token} # sender regn til CoT  
    p_put = requests.put('https://circusofthings.com/WriteValue',  
        data = json.dumps(precipitation_data),  
        headers={'Content-Type': 'application/json'})
```

```
#sende data til cot
```