

```

# import module

import requests

from bs4 import BeautifulSoup


# UDF for get HTML code

# from URL


def get_html(Airline_code, Flight_number, Date, Month, Year):

    def getdata(url):

        r = requests.get(url)

        return r.text


    # url

    url = "https://www.flightstats.com/v2/flight-tracker/"+Airline_code + \

        "/" + Flight_number + "?year="+Year+"&month="+Month+"&date="+Date


    # pass the url

    # into getdata function

    htmldata = getdata(url)

    soup = BeautifulSoup(htmldata, 'html.parser')

    return(soup)


# Get Flight number

# from Html code

```

```
def flight_no(soup):
```

```
    Flight_no = ""
```

```
    # Find div tag with
```

```
    # unique class name
```

```
    for i in soup.find("div", class_="ticket__FlightNumberContainer-s1rrbl5o-4 hgbvHg"):
```

```
        Flight_no = Flight_no + (i.get_text()) + " "
```

```
    return (Flight_no)
```

```
# Get Airport name
```

```
# from HTML code
```

```
def airport(soup):
```

```
    Airport_name = []
```

```
    # Find div tag with
```

```
    # unique class name
```

```
    for i in soup.find_all("div", class_="text-helper__TextHelper-s8bko4a-0 CPamx"):
```

```
        Airport_name.append(i.get_text())
```

```
    return (Airport_name)
```

```
# get status
```

```
# from HTML code
```

```

def status(soup, Airport_list):

    Time_status = []

    Airport_List = []

    Status_str = []

    Gate = []

    Gate_no = []


    # Find div tag with

    # unique class name

    # to get Gate number

    for data in soup.find_all("div", class_="ticket__TGBLabel-s1rrbl5o-15 gcbyEH text-
helper__TextHelper-s8bko4a-0 dfeqpK"):

        Gate.append(data.get_text())

    for data in soup.find_all("div", class_="ticket__TGBValue-s1rrbl5o-16 icyRae text-
helper__TextHelper-s8bko4a-0 cCfBRT"):

        Gate_no.append(data.get_text())


    # Get status from

    # html code

    for i in soup.find_all("div", class_="text-helper__TextHelper-s8bko4a-0 bcmzUJ"):

        Status_str.append(i.get_text())

    for i in soup.find_all("div", class_="text-helper__TextHelper-s8bko4a-0 cCfBRT"):

        Time_status.append(i.get_text())

```

```
# traverse the Data

# from scraping data

for item in range(4):

    if item == 0:

        print(Airport_list[0])

    if item == 2:

        print("")

        print(Airport_list[1])

    print(Status_str[item] + " : " + Time_status[item])

    print(Gate[item] + " : " + Gate_no[item])

for item in range(len(Gate)):

    print(Gate[item] + " : " + Gate_no[item])
```

Driver code

```
if __name__ == '__main__':

    # Input Data from geek

    Airline_code = 'G8'

    Flight_number = '134'

    Date = '23'

    Month = '10'

    Year = '2020'

    # Calling the get_html

    # with argument
```

```
# function calling

soup = get_html(Airline_code, Flight_number, Date, Month, Year)

print("Flight number : ", flight_no(soup))

Airport_list = airport(soup)

status(soup, Airport_list)
```