

Team ID	PNT2022TMID44114
Project Name	Smart solution for Railways.

FEED INFORMATION

Python program to
find PNR# status using
RAILWAY API

import required
modulesimport
requests, json

Enter API key here
api_key =
"Your_API_key"

base_url variable to store url
base_url = "<https://api.railwayapi.com/v2/pnr-status/pnr/>"

Enter valid
pnr_number
pnr_number =
"6515483790"

Stores complete url address
complete_url = base_url + pnr_number + "/apikey/" + api_key + "/"

```
# get method of requests
module# return response
object
response_ob = requests.get(complete_url)
```

```
# json method of response object
convert # json format data into
python format dataresult =
response_ob.json()
```

```
# now result
contains list# of
nested
dictionaries
if result["response_code"] == 200:
```

```
    # train name is extracting
    # from the result variable data
    train_name =
    result["train"]["name"]
```

```
    # train number is
    extracting from# the
    result variable data
    train_number = result["train"]["number"]
```

```
# from station name is  
extracting# from the  
result variable data  
from_station = result["from_station"]["name"]
```

```
# to_station name is  
extracting from# the result  
variable data  
to_station = result["to_station"]["name"]
```

```
# boarding point station name is  
# extracting from the result variable data  
boarding_point =  
result["boarding_point"]["name"]
```

```
# reservation upto station name is  
# extracting from the result variable data  
reservation_upto =  
result["reservation_upto"]["name"]
```

```
# store the value or data of "pnr"  
  
# key in pnr_num  
variablepnr_num =  
result["pnr"]
```

```
# store the value or data of  
"doj" key # in variable  
date_of_journey variable
```

```
date_of_journey =  
result["doj"]
```

```
# store the value or data of  
# "total_passengers" key in variable  
total_passengers =  
result["total_passengers"]
```

```
# store the value or data of  
"passengers"# key in variable  
passengers_list passengers_list =  
result["passengers"]
```

```
# store the value or data of  
# "chart_prepared" key in variable  
chart_prepared = result["chart_prepared"]
```

```
# print following values  
print(" train name : " + str(train_name)  
      + "\n train number : " + str(train_number)  
      + "\n from station : " + str(from_station)  
      + "\n to station : " + str(to_station)  
      + "\n boarding point : " + str(boarding_point)  
      + "\n reservation upto : " + str(reservation_upto)  
      + "\n pnr number : " + str(pnr_num)  
      + "\n date of journey : " + str(date_of_journey)  
      + "\n total no. of passengers: " + str(total_passengers)  
      + "\n chart prepared : " + str(chart_prepared))
```

```
# looping through
```

```
passenger listfor
```

```
passenger in
```

```
passengers_list:
```

```
    # store the value
```

```
    or data # of "no"
```

```
    key in variable
```

```
    passenger_num = passenger["no"]
```

```
    # store the value or data of
```

```
    # "current_status" key in variable
```

```
    current_status =
```

```
    passenger["current_status"]
```

```
    # store the value or data of
```

```
    # "booking_status" key in variable
```

```
    booking_status =
```

```
    passenger["booking_status"]
```

```
    # print following values
```

```
    print(" passenger number : " + str(passenger_num)
```

```
          + "\n current status : " + str(current_status)
```

```
          + "\n booking_status : " + str(booking_status))
```

```
else:
```

```
    print("Record Not Found")
```