

Team ID	PNT2022TMID03711
Project Name	Smart solution for Railways.

### **FEED INFORMATION**

# Python program to find PNR

# status using RAILWAY API

# import required modules

import 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 data

result = 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 variable
pnr_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 list
```

```
for 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")
```