

```
# 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")
```