

# REST API about solar system

1. Name: Pasawut Thongtade
2. REST API curl command or URL address to enter at the web browser:  
<https://api.le-systeme-solaire.net/rest/bodies/> to show all data about all bodies in the solar system Or can use <https://api.le-systeme-solaire.net/rest/bodies/{id}> to show only data about one body of something in the solar system by id is the name to say that
3. Example output data that you have obtained

```
← → ↻ api.le-systeme-solaire.net/rest/bodies/
1 // 20230202013203
2 // https://api.le-systeme-solaire.net/rest/bodies/
3
4 {
5   "bodies": [
6     {
7       "id": "lune",
8       "name": "La Lune",
9       "englishName": "Moon",
10      "isPlanet": false,
11      "moons": null,
12      "semimajorAxis": 384400,
13      "perihelion": 363300,
14      "aphelion": 405500,
15      "eccentricity": 0.05490,
16      "inclination": 5.14500,
17      "mass": {
18        "massValue": 7.34600,
19        "massExponent": 22
20      },
21      "vol": {
22        "volValue": 2.19680,
23        "volExponent": 10
24      },
25      "density": 3.34400,
26      "gravity": 1.62000,
27      "escape": 2380.00000,
28      "meanRadius": 1737.00000,
29      "equaRadius": 1738.10000,
30      "polarRadius": 1736.00000,
31      "flattening": 0.00120,
32      "dimension": "",
33      "siderealOrbit": 27.32170,
34      "siderealRotation": 655.72800,
35      "aroundPlanet": {
36        "planet": "terre",
37        "rel": "https://api.le-systeme-solaire.net/rest/bodies/terre"
38      },
39      "discoveredBy": "",
40      "discoveryDate": "",
41      "alternativeName": "",
42      "axialTilt": 6.68,
43      "avgTemp": 0,
44      "mainAnomaly": 0.00000,
45      "argPeriapsis": 0.00000,
46      "longAscNode": 0.00000,
47      "bodyType": "Moon",
48      "rel": "https://api.le-systeme-solaire.net/rest/bodies/lune"
49    },
50    {
51      "id": "phobos",
52      "name": "Phobos",
53      "englishName": "Phobos",
54      "isPlanet": false,
55      "moons": null,
56      "semimajorAxis": 9378,
57      "perihelion": 9234,
58      "aphelion": 9518,
59      "eccentricity": 0.01510,
60      "inclination": 1.07500,
61      "mass": {
62        "massValue": 1.06000,
63        "massExponent": 16
64      },
65      "vol": {
66        "volValue": 5.78361,
67        "volExponent": 3
68      },
69      "density": 1.90000,
70      "gravity": 0.00570,
71      "escape": 11.39000,
72      "meanRadius": 11.10000,
73      "equaRadius": 13.00000,
74      "discoveredBy": "",
75      "discoveryDate": "",
76      "alternativeName": "",
77      "axialTilt": 0,
78      "avgTemp": 0,
79      "mainAnomaly": 0.00000,
80      "argPeriapsis": 0.00000,
81      "longAscNode": 0.00000,
82      "bodyType": "Moon",
83      "rel": "https://api.le-systeme-solaire.net/rest/bodies/phobos"
84    }
85  ]
86 }
```

4. One paragraph describing what data you have obtained:

This API will display the name given to a body in the solar system along with certain key details like the body type, mass, volume, gravity, mean radius, and others. So that you can create an application using this open API to teach people about the solar system.

5. URL linking to the REST API reference document for the public data repository you have obtained:  
<https://api.le-systeme-solaire.net/en/>