Planetary Data

# OVERVIEW

Below is a table of statistics about the solar system's planets.

# PROBLEM TO SOLVE

1. Create a class that holds details of planet - name, surface gasses, number of moons and whether planet has rings
2. Write a method that retrieves count of moons of all planets having rings
3. Write a method that retrieves the gas that is found on maximum planets

# GUIDELINES

1. Time to solve the problem : 30 minutes
2. Please write - your name, college, year of passing, phone number and email address in the answer sheet.
3. Tech stack is no bar - use any scripting/programming language to build the solution.
4. Use the best of your object-oriented skills and strictly adhere to the language conventions.

5. Do not take input from user

# Planetary Data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Planet | Atmospheric gasses | Moons | Rings |
| 1 | Mercury |  | 0 | No |
| 2 | Venus | Carbon Dioxide, Nitrogen | 0 | No |
| 3 | Earth | Nitrogen, Oxygen | 1 | No |
| 4 | Jupitor | Hydrogen, Helium | 79 | Yes |
| 5 | Saturn | Hydrogen, Helium | 83 | Yes |
| 6 | Uranus | Hydrogen, Helium, Methane | 27 | Yes |

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**Answers in Java Language:**

Public class planet\_details(){

Public static void main (string args[]){

Set<String>Planets= new Treeset();

Planets.add(“Mercury”);

Planets.add(“Venus”);

Planets.add(“Earth”);

Planets.add(“Jupiter”);

Planets.add(“Saturn”);

Planets.add(“Uranus”);

System.out.println(“Planets”);

Public int sum(Planets[] planet){

Int sum=0;

For(Planets planet: planet){

Sum+= planet.moons[];

}

Return sum;

}

Public int sum1(Planets[] planet){

Int sum1=0;

For(Planets planet: planet){

sum1+=planet.gases[];

}

}

}

}