**Name: Faaiz Shakil**

**College Name: Bengal Institute of Technology**

**Year of Passing: 2022**

**Phone Number: 9088470585**

**Email Address: faaizshakil101@gmail.com**

import java.util.\*;

import java.lang.\*;

import java.io.\*;

class Planet

{

String name;

ArrayList<String>gas=new ArrayList<String>();

int moon;

boolean ring;

Planet(String n,ArrayList<String>g,int m, boolean r)

{

name=n;

gas=g;

moon=m;

ring=r;

}

int moonCount()

{

if(ring)

return moon;

return -1;

}

void gasFind(Planet arr[]){

int n=arr.length;

HashMap<String,Integer> map=new HashMap<String,Integer>();

for(int i=0;i<n;i++){

int x= arr[i].gas.size();

// ArrayList<String> gas1=arr[i].gas();

for(int j=0;j<arr[i].gas.size();j++){

if(map.containsKey(arr[i].gas.get(i)))

map.put(arr[i].gas.get(i),map.get(arr[i].gas.get(i))+1);

else

map.put(arr[i].gas.get(i),1);

}

}

int max=0;

String ans="";

for (Map.Entry<String,Integer> mapElement : map.entrySet()) {

String key = mapElement.getKey();

if(mapElement.getValue()>max)

ans=key;

}

}

}