SolarSystem aSolarSystem = new SolarSystem(8);

Planet aPlanet = new Planet("Mercury", 5.427, 87.97, 0);
aSolarSystem.setPlanet(1, new Planet("Mercury", 5.427, 87.97, 0));

0x000D		
0x000C	Null	
0x000B	Null	
0x000A	Null	
0x0009	Null	
0x0008	Null	
0x0007	Null	
0x0006	Null	
0x0005	0x0015	
0x0004	5.427	totalDensity
0x0003	1	numberOfPlanets
0x0002	0x0005	planets
0x0001		
0x0000	0x0002	**aSolarSystem**

0x001B		
0x001A		
0x0019		
0x0018	0	numberOfMoons
0x0017	87.97	orbitalPeriod
0x0016	5.427	density
0x0015	"Mercury"	name
0x0014		
0x0013	0	numberOfMoons
0x0012	87.97	orbitalPeriod
0x0011	5.427	density
0x0010	"Mercury"	name
0x000F		
0x000E	0x0010	**aPlanet**

```
aPlanet.setName("Saturn");
aPlanet.setDensity(0.687);
aPlanet.setOrbitalPeriod(10759.22);
aPlanet.setNumberOfMoons(82);
aSolarSystem.setPlanet(6, aPlanet);
```

Address	Value	Label
0x000D		
0x000C	Null	
0x000B	Null	
0x000A	0x000E	
0x0009	Null	
0x0008	Null	
0x0007	Null	
0x0006	Null	
0x0005	0x0015	
0x0004	6.114	totalDensity
0x0003	2	numberOfPlanets
0x0002	0x0005	planets
0x0001		
0x0000	0x0002	**aSolarSystem**

Address	Value	Label
0x001B		
0x001A		
0x0019		
0x0018	0	numberOfMoons
0x0017	87.97	orbitalPeriod
0x0016	5.427	density
0x0015	"Mercury"	name
0x0014		
0x0013	82	numberOfMoons
0x0012	10759.22	orbitalPeriod
0x0011	0.687	density
0x0010	"Saturn"	name
0x000F		
0x000E	0x0010	**aPlanet**

```
aPlanet.setName("Earth");
aPlanet.setDensity(5.514);
aPlanet.setOrbitalPeriod(365.256363004);
aPlanet.setNumberOfMoons(1);
aSolarSystem.setPlanet(3, aPlanet);
```

0x000D		
0x000C	Null	
0x000B	Null	
0x000A	0x000E	
0x0009	Null	
0x0008	Null	
0x0007	0x000E	
0x0006	Null	
0x0005	0x0015	
0x0004	16.455	totalDensity
0x0003	3	numberOfPlanets
0x0002	0x0005	planets
0x0001		
0x0000	0x0002	**aSolarSystem**

0x001B		
0x001A		
0x0019		
0x0018	0	numberOfMoons
0x0017	87.97	orbitalPeriod
0x0016	5.427	density
0x0015	"Mercury"	name
0x0014		
0x0013	1	numberOfMoons
0x0012	365.256363004	orbitalPeriod
0x0011	5.514	density
0x0010	"Earth"	name
0x000F		
0x000E	0x0010	**aPlanet**

In summary, we will print three planets if we print the solar system, and they are the Mecury, the Earth(printed twice)