

## Part II: Creating your first Python program

You are to write a Python program that will use the 'print()' function to display information about the planets in our solar system<sup>1</sup> in the following format:

The image shows a terminal window with the following output:

```
Planet Diameter (km) ,
Mercury 4,880 ,
Venus 12,100 ,
Earth 12,760 ,
Mars 6,800 ,
Jupiter 143,800 ,
Saturn 120,000 ,
Uranus 52,300 ,
Neptune 49,500 ,
```

Annotations in red text with arrows pointing to the output:

- First format specifier**  
Right aligned column: widest column has no leading spaces, the others will vary
- This separator column is the one hard-coded space allowed between the quotes**
- Second format specifier**  
Left aligned column: widest column has one trailing space, the others will vary
- Last column displays a comma to specify the end of info for a particular planet**

Each planet's information will be displayed by its own print instruction: `print("%s %s," %(<String for planet name>, <String for planet diameter>))`. You need to figure out how to use the format specifiers in order to get your program output to match the output shown in the image. In the assignment one directory you will find the code for the starting program 'planets.py' that you will copy to your home directory and modify. The alignment should be implemented by using the 'field width' property of the print function and not by manually inserting spaces (this is referred to as 'hard coding'). The only hard coded space allowed is the separator between columns.