In a script called **A9-print.py** do the following:

a. Make these variables

```
cars=100
drivers=30
```

b. Use these variables inside the print function to produce the following output.

You can use two print functions or one print function with the \n. In either case, you should make a tab space \t in the second line.

DO NOT FORMAT. Just use print, without the %

```
There are are 100 and 30 drivers.
        There are 70 cars available.
```

Activity- print function for formatting

In **A9-print.py**

c. Make these variables

```
voltage=100.5678
temp=30.987
```

d. Use these variables inside the print function to produce the following formatted output:

```
voltage=100.6 mV and temperature=31.0 C
```

Activity – math module and formatting

Make a script **A9-math.py** and in it do the following:

a. Import the math module. Use generic import

b. Make these variables

```
s="circle"
r=1.5 x 10⁵
```

c. Calculate the area of a circle of radius r by using pi and **pow from the math module. DO NOT USE r**2**

$$A= \pi r^2$$

and store result in variable A

d. Print a formatted output, by using variables r, A and s. Notice the formats in scientific notation

```
The area of a circle of radius r=1.5e+05  equals 7.1e+10
```

Activity – input function

Make a script **A9-input.py** and in it do the following:

a. Import the math module. Use function import, and only import pi and pow.

b. Use one input function to ask the user to enter a number for the radius

c. Calculate the area of a circle of radius r by using pi and pow from the math module

   $A= \pi r^2$

   and store result in variable A.

 d. print A

Submit to A9
- **A9-print.py**
- **A9-math.py**
- **A9-input.py**

Input function - resolved issue

Input function does not work with Spyder 5.1 and maybe other versions
It works with the latest 5.3.3. and with a 4.9

Open bash terminal and type

```
conda update anaconda
conda install spyder=5.3.3
```

If that doesn't work, or conda gets stuck trying to resolve conflicting dependencies, then try
```
conda remove spyder
conda install spyder=5.3.3
```