

Python

Session-08



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Homework



Q1

- ◆ If you are displaying values in a loop, the values will be displayed on individual lines
- ◆ We need to display the values on one line, rather than on individual lines

```
for n in range(5):  
    ...     print(n)
```

0
1
2
3
4

Expected Output

0 1 2 3 4



Q2

- ◆ Display float number with 2 decimal places using print()

Expected Output:

Display **458.541315** as **458.54**



Q3

- ◆ Accept a list of any float numbers as an input from the user
- ◆ For example 5 numbers

Expected Output:

[78.6, 78.6, 85.3, 1.2, 3.5]



Q4

- ◆ How to check file is empty or not

Q5

- ◆ Sort JSON keys in and write them into a file

Sort following JSON data alphabetical order of keys

```
sampleJson = {"id" : 1, "name" : "value2", "age" : 29}
```

Expected Output:

```
{  
    "age": 29,  
    "id": 1,  
    "name": "value2"  
}
```

Q6

- Parse the following JSON to get all the values of a key ‘name’ within an array

```
[  
  {  
    "id":1,  
    "name":"name1",  
    "color":[  
      "red",  
      "green"  
    ]  
  },  
  {  
    "id":2,  
    "name":"name2",  
    "color":[  
      "pink",  
      "yellow"  
    ]  
  }  
]
```

Expected Output:

```
["name1", "name2"]
```

Q7

- From the given dataset print the first and last five rows
- Automobile_data.csv**

Automobile_data.csv					
	symboling	normalized-losses	make	fuel-type	aspiration
1	symboling,normalized-losses,make,fuel-type,aspiratio				
2	3,?,alfa-romero,gas,std,two,convertible,rwd,front,88				
3	3,?,alfa-romero,gas,std,two,convertible,rwd,front,88				
4	1,?,alfa-romero,gas,std,two,hatchback,rwd,front,94.5				
5	2,164,audi,gas,std,four,sedan,fwd,front,99.8,176.6,6				
6	2,164,audi,gas,std,four,sedan,fwd,front,99.4,176.6,6				
7	2,?,audi,gas,std,two,sedan,fwd,front,99.8,177.3,66.3				
8	1,158,audi,gas,std,four,sedan,fwd,front,105.8,192.7,				
9	1,?,audi,gas,std,four,wagon,fwd,front,105.8,192.7,71				

	symboling	normalized-losses	make	fuel-type	aspiration
0	3	?	alfa-romero	gas	std
1	3	?	alfa-romero	gas	std
2	1	?	alfa-romero	gas	std
3	2	164	audi	gas	std
4	2	164	audi	gas	std

	symboling	normalized-losses	make	fuel-type
200	-1	95	volvo	gas
201	-1	95	volvo	gas
202	-1	95	volvo	gas
203	-1	95	volvo	diesel
204	-1	95	volvo	gas

THANKS!

ANY QUESTIONS?

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