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KevinMikus@oz-ist-linux-fal7-411: ~
Using username "KevinMikus".
KevinMikus@oz-ist-linux-fal7-411.abington.psu.edu's password:
Access denied
KevinMikus@oz-ist-linux-fal7-411.abington.psu.edu's password:
Welcome to Ubuntu 17.04 (GNU/Linux 4.10.0-19-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

 * What are your preferred Linux desktop apps? Help us set the default
   desktop apps in Ubuntu 18.04 LTS:
   - https://ubu.one/apps1804

5 packages can be updated.
1 update is a security update.

*** System restart required ***

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

Last login: Mon Aug 21 14:19:40 2017 from 172.25.2.242
KevinMikus@oz-ist-linux-fal7-411:~$ ls
KevinMikus@oz-ist-linux-fal7-411:~$ cd ..
KevinMikus@oz-ist-linux-fal7-411:/home$ ls
AdrianGalecki  IanRoach  JustinGrant  MohammedJiban  Team3
ArnoldAduDarko  IsaiahList  jxol9  RobertColton  Team4
DustinDimarcello  JamesHopf  KelbyChen  ShawnConway  WinTon
EugeneMatavitski  jem313  KevinMikus  Team1  YoungminSon
EvanGannon  JhalakPatel  MatthewBaun  Team2
KevinMikus@oz-ist-linux-fal7-411:/home$ cd KevinMikus
KevinMikus@oz-ist-linux-fal7-411:~$ nano jsonCar.py
KevinMikus@oz-ist-linux-fal7-411:~$ ls
jsonCar.py
KevinMikus@oz-ist-linux-fal7-411:~$ python3 jsonCar.py
{'underWarranty': False, 'features': ['sunroof', 'heated seated', 'bluetooth'], 'model': 'eclipse', 'licensePlateNum'
KevinMikus@oz-ist-linux-fal7-411:~$ ls
jsonCar.json  jsonCar.py
KevinMikus@oz-ist-linux-fal7-411:~$ cat jsonCar.json
{
  "underWarranty": false,
  "features": [
    "sunroof",
    "heated seated",
    "bluetooth"
  ],
  "model": "eclipse",
  "licensePlateNum": "AAA7AAA",
  "mileage": 85000,
  "color": "black",
  "year": 2011,
  "make": "mitsubishi"
}
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KevinMikus@oz-ist-linux-fal7-411:~$ cat jsonCar.py
# Project: Python and JSON Linux System Lab
# Purpose Details: To create a JSON file from a python object and read back in the results
# Course: IST 411
# Author: Kevin Mikus
# Date Developed: 9/1/17
# Last Date Changed: 9/1/17
# Rev: 0.1

import json

class Car:
    def __init__(self, make, model, year, color, features, licensePlateNum, mileage, underWarranty):
        self.make = make
        self.model = model
        self.year = year
        self.color = color
        self.features = features
        self.licensePlateNum = licensePlateNum
        self.mileage = mileage
        self.underWarranty = underWarranty

myCar = Car("mitsubishi", "eclipse", 2011, "black", ["sunroof", "heated seated", "bluetooth"], "AAA7AAA", 85000, False)

# json dump
with open("jsonCar.json", "w") as outFile:
    outFile.write(json.dumps(myCar.__dict__, indent=4))

# json load
with open("jsonCar.json", "r") as jsonStream:
    nextCar = json.load(jsonStream)
    print(repr(nextCar))
KevinMikus@oz-ist-linux-fal7-411:~$ █

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