

# CSD325: Advanced Python

## Module 9.2 Assignment: APIs

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Unformatted Currently-Orbiting-Astronauts Output:

```
(venv) [falkreon@falk] ~/Documents/Class/AdvancedPython/CSD-325/module-9 & python3 iss.py [0]
{'people': [{'craft': 'ISS', 'name': 'Oleg Kononenko'}, {'craft': 'ISS', 'name': 'Nikolai Chub'}, {'craft': 'ISS', 'name': 'Tracy Caldwell Dyson'}, {'craft': 'ISS', 'name': 'Matthew Dominick'}, {'craft': 'ISS', 'name': 'Michael Barratt'}, {'craft': 'ISS', 'name': 'Jeanette Epps'}, {'craft': 'ISS', 'name': 'Alexander Grebenkin'}, {'craft': 'ISS', 'name': 'Butch Wilmore'}, {'craft': 'ISS', 'name': 'Sunita Williams'}, {'craft': 'Tiangong', 'name': 'Li Guangsu'}, {'craft': 'Tiangong', 'name': 'Li Cong'}, {'craft': 'Tiangong', 'name': 'Ye Guangfu'}], 'number': 12, 'message': 'success'}
(venv) [falkreon@falk] ~/Documents/Class/AdvancedPython/CSD-325/module-9 & [0]
```

Formatted Output:

```
(venv) [falkreon@falk] ~/Documents/Class/AdvancedPython/CSD-325/module-9 & python3
{
  "message": "success",
  "number": 12,
  "people": [
    {
      "craft": "ISS",
      "name": "Oleg Kononenko"
    },
    {
      "craft": "ISS",
      "name": "Nikolai Chub"
    },
    {
      "craft": "ISS",
      "name": "Tracy Caldwell Dyson"
    },
    {
      "craft": "ISS",
      "name": "Matthew Dominick"
    },
    {
      "craft": "ISS",
      "name": "Michael Barratt"
    },
    {
      "craft": "ISS",
      "name": "Jeanette Epps"
    },
    {
      "craft": "ISS",
      "name": "Alexander Grebenkin"
    },
    {
      "craft": "ISS",
      "name": "Butch Wilmore"
    },
    {
      "craft": "ISS",
      "name": "Sunita Williams"
    },
    {
      "craft": "Tiangong",
      "name": "Li Guangsu"
    },
    {
      "craft": "Tiangong",
      "name": "Li Cong"
    },
    {
      "craft": "Tiangong",
      "name": "Ye Guangfu"
    }
  ]
}
(venv) [falkreon@falk] ~/Documents/Class/AdvancedPython/CSD-325/module-9 & [0]
```

## Chosen API Endpoint with No Formatting:

```
(venv) [falkreon@falk] ~/Documents/Class/AdvancedPython/CSD-325/module-9 & python3 norris.py [0]
{'categories': [], 'created_at': '2020-01-05 13:42:21.455187', 'icon_url': 'https://api.chucknorris.io/img/avatar/chuck-norris.png', 'id': '5PnyxKR7SeyjFBj7petqUw', 'updated_at': '2020-01-05 13:42:21.455187', 'url': 'https://api.chucknorris.io/jokes/5PnyxKR7SeyjFBj7petqUw', 'value': 'People who sue Chuck Norris get sawed by Chuck Norris. Chuck Norris likes to play with the law, words and dangerous tools.'}
(venv) [falkreon@falk] ~/Documents/Class/AdvancedPython/CSD-325/module-9 & [0]
```

## Formatted API Endpoint:

```
(venv) [falkreon@falk] ~/Documents/Class/AdvancedPython/CSD-325/module-9 & python3 norris.py [0]
{
  "categories": [],
  "created_at": "2020-01-05 13:42:27.496799",
  "icon_url": "https://api.chucknorris.io/img/avatar/chuck-norris.png",
  "id": "ZG54JYBfRy-zu0q0BZwjIg",
  "updated_at": "2020-01-05 13:42:27.496799",
  "url": "https://api.chucknorris.io/jokes/ZG54JYBfRy-zu0q0BZwjIg",
  "value": "If you ask Chuck Norris what time it is, he always says, \"Two seconds till.\" After you ask, \"Two seconds till what?\" He roundhouse kicks you in the face."
}
(venv) [falkreon@falk] ~/Documents/Class/AdvancedPython/CSD-325/module-9 & [0]
```

## Final output with the important data extracted and processed:

```
(venv) [falkreon@falk] ~/Documents/Class/AdvancedPython/CSD-325/module-9 & python3 norris.py [0]
Please enjoy this Chuck Norris Fact:
There is only one thing Chuck Norris can't do... He can't die. But even if he prove me wrong, he'll still be alive afterwards. (created on Sunday, 05 January 2020 01:42PM)
(venv) [falkreon@falk] ~/Documents/Class/AdvancedPython/CSD-325/module-9 & [0]
```