

Clint Scott

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CSD325 Advanced Python

Module 9.2 Assignment – APIs

1. API Tutorial - Status Code Screenshot

```
PS C:\data\cloud\GitHub\CSD_325\module-9> py .\cscott_module9-2_api-response.py
200
```

2. People In Space Screenshot

```
PS C:\data\cloud\GitHub\CSD_325\module-9> py .\cscott_module9-2_apis_peepsinspace.py
Raw Response:
{'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'}
```

There are 12 people in space right now!

Astronauts currently in space:

- Oleg Kononenko (ISS)
- Nikolai Chub (ISS)
- Tracy Caldwell Dyson (ISS)
- Matthew Dominick (ISS)
- Michael Barratt (ISS)
- Jeanette Epps (ISS)
- Alexander Grebenkin (ISS)
- Butch Wilmore (ISS)
- Sunita Williams (ISS)
- Li Guangsu (Tiangong)
- Li Cong (Tiangong)
- Ye Guangfu (Tiangong)

3. D&D Magic User Spells (adding a second API one for fun... no raw data, too much to screenshot)

```
PS C:\data\cloud\GitHub\CSD_325\module-9> py .\cscott_module9-2_apis_dnd-spells.py
```

Top 10 Highest Potential Damage Magic User Spells:

Rank	Spell Name	Dice Roll	Max Damage
1	Inflict Wounds	11d10	110
2	Blight	13d8	104
3	Hellish Rebuke	10d10	100
4	Cone of Cold	12d8	96
5	Wall of Ice	16d6	96
6	Call Lightning	9d10	90
7	Moonbeam	9d10	90
8	Circle of Death	14d6	84
9	Delayed Blast Fireball	14d6	84
10	Fireball	14d6	84