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02/21/2025

Assignment: (Module 9.2) API’s

**First screen shot showing a successful connection and an unformatted view**

Note: the unformatted view goes so far to the right I can’t see it all so aside from the screen shot is a paste of the output

A screen shot of a computer

AI-generated content may be incorrect.

C:\Users\Admin\AppData\Local\Programs\Python\Python313\python.exe C:\csd\csd-325\module-9\morrow-csd-325-mod9\_2-apis.py

Server Response Code: 200 from http://api.open-notify.org/astros

Your request was Successful!

Below was the data returned from the JSON file via this API

{'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'}

Process finished with exit code 0

**Second screen shot showing a successful connection and a formatted view using the function def jprint from the sites example**

Note: the formatted view goes to far down that I can’t capture it all in 1 screen shot so aside from the screen shot is a paste of the output

A screenshot of a computer

AI-generated content may be incorrect.

C:\Users\Admin\AppData\Local\Programs\Python\Python313\python.exe C:\csd\csd-325\module-9\morrow-csd-325-mod9\_2-apis.py

Server Response Code: 200 from http://api.open-notify.org/astros

Your request was Successful!

Below was the data returned from the JSON file via this API

{

"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"

}

]

}

Process finished with exit code 0

**Assignment to create my own API building on the example from the assignment. I chose the weather.gov site since it has no required api\_key**

Note: the unformatted view displays so much information that it can’t fit in a screenshot. I also didn’t print out all the output as it would fill up pages. Below are my 3 print statements available. I will just comment out with # the Unformatted and Formatted options and leave the Best print out option for the submission.

# Print the 7-Day Forecast data specified below in a cleaner filtered view  
print(f"\nBelow is the 7-Day Weather Forecast for {city\_name} found on {website\_url}."  
 f"\nReport Data Generated at UTC: {report\_generated}\n")  
  
# I have this part here for the Unformatted request of the assignment. I'll comment it out on the submitted version  
print("[Unformatted Print out of the Forecast]\n",forecast)  
  
# I have this part here for the Formatted request of the assignment. I'll comment it out on the submitted version  
print("\n\n[Formatted Print out of the Forecast]\n")  
jprint(forecast)  
  
# Best print out with an iteration loop to display the items I want to see in the 7-Day Forecast  
for period in forecast['properties']['periods']:  
 print(f"{period['name']}: {period['detailedForecast']}")

A screenshot of a computer

AI-generated content may be incorrect.

# Final print out using the Best print out

A screenshot of a computer program

AI-generated content may be incorrect.