Module 1 Critical Thinking Consolidated Document

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Questions

Document with questions left as stand-alone.

Python Code

```
# This program is a single-run if loop to determine whether a user entry is
# contained in either the planets
# or dwarf_planets string list objects

# Lists of acceptable entries
planets = ["Mercury", "Venus", "Earth", "Mars", "Jupiter", "Saturn",
           "Uranus", "Neptune"]
dwarf_planets = ["Pluto", "Ceres", "Makemake", "Haumea", "Eris"]

# Single-run planet checker

print('\nI can determine whether an object is a planet or dwarf planet.')
planet = input('\nPlease enter the object you wish to check (Uppercase).\n\n')
if planet in planets:
    print(f'\n{planet} is a planet\n')
elif planet in dwarf_planets:
    print(f'\n{planet} is a dwarf planet\n')
else:
    print('Sorry, I don\'t recognize that object. Please check your spelling and',
    ' try again after restarting the program.')
```

ReturnPlanets.qmd U ● ReturnPlanets.py U ×

Module1 > ReturnPlanets.py > ...

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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
Earth is a planet
(marscv) davidmvermillion@Davids-MBP CSUGHomework % /Users/davidmvermillion/opt/anaconda3/env
davidmvermillion/Documents/GitHub/CSUGHomework/Module1/ReturnPlanets.py

I can determine whether an object is a planet or dwarf planet.

Please enter the object you wish to check (Uppercase).

Mars

Mars is a planet
```

Figure 1: Python Code Script Execution