Advanced Python Objects Test

Advanced Numbers

Problem 1: Convert 1024 to binary and hexadecimal representation

In [ ]:

Problem 2: Round 5.23222 to two decimal places

In [ ]:

Advanced Strings

Problem 3: Check if every letter in the string s is lower case

In [ ]:

```python
s = 'hello how are you Mary, are you feeling okay?'
```

Problem 4: How many times does the letter 'w' show up in the string below?

In [ ]:

```python
s = 'twywywtwywbwhsjhwuwshshwuwwwjdjdid'
```

Advanced Sets

Problem 5: Find the elements in set1 that are not in set2:

In [ ]:

```python
set1 = {2,3,1,5,6,8}
set2 = {3,1,7,5,6,8}
```

Problem 6: Find all elements that are in either set:

In [ ]:

Advanced Dictionaries

Problem 7: Create this dictionary: {0: 0, 1: 1, 2: 8, 3: 27, 4: 64} using a dictionary comprehension.

In [ ]:

```
```

Advanced Lists

Problem 8: Reverse the list below:

In [ ]:

```
list1 = [1,2,3,4]
```

Problem 9: Sort the list below:

In [ ]:

```
list2 = [3,4,2,5,1]
```

Great Job!