# ADVANCED PYTHON OBJECTS ASSESSMENT

By Jose Portilla @ Udemy's Complete Python 3 Bootcamp

**PROBLEM 1:**

Convert `1024` to binary and hexadecimal representation.

**PROBLEM 2:**

Round `5.23222` to two decimal places.

**PROBLEM 3:**

Check if every letter in the string s is in lower case

```
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?

```
s = 'twywywtwywbwhsjhwuwshshwuwwwjdjdid'
```

**PROBLEM 5:**

Find the elements in set1 that are not in set2:

```
my_set1  = {2,3,1,5,6,8}

my_set2  = {3,1,7,5,6,8}
```

**PROBLEM 6:**

Find all the elements that are in either set (Sets given in Problem 5).

**PROBLEM 7:**

Create the dictionary shown below using a dictionary comprehension:

```
{0:0, 1:1, 2:8, 3:27, 4:64}
```

**PROBLEM 8:**

Reverse the list below:

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

**PROBLEM 9:**

Sort the list below:

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