

Python – Programming Assignment 7

Professor:

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Directions: Write a function that sorts a list of numbers without using the built in Python sorting functions (`sort()`, `.sorted()`).

Specifications:

- NOTE - You can just use “brute force” sorting, but if you are interested you could look up some fun sorting algorithms. Brute force basically means doing a few loops and comparing every number.
- The function should accept two parameters.
 - The first will be a list of numbers generated randomly
 - The second parameter will be a string that can be one of the following values: `asc`, `desc`, and `none`. default should be `asc`.
 - * If the second parameter is “`asc`,” then the function should return a list with the numbers in ascending order.
 - * If it’s “`desc`,” then the list should be in descending order, and
 - * If it’s “`none`,” it should return the original list unaltered.
 - * If it is some other string or number it should print an error and return the original list.
- DONT USE THE `.sorted()` or `.sort()` command. Write your own function to do this!
- Here is an example you can use to test your code:

```
nums = [8,10,1,2,6,4,5]
```

```
if we use 'asc' it should return [1,2,4,5,6,8,10]
```

```
if we use 'dec' it should return [10,8,6,5,4,2,1]
```

```
if we use 'none' it should return [8,10,1,2,6,4,5]
```
