



# Lab6



## Lab 6: Ch10 Tuples

### Prob. 1

Create an old tuple using the following data. Then update the course and professor from Data Analytics to Network security to a new tuple. Print both tuples out as follows.

```
The old tuple is: ('Python II', 'Hao Zhang', 'Data Analytics', 'Cheryl Aasheim', 'IT issues', 'Jeff Kaleta')
The updated tuple is: ('Python II', 'Hao Zhang', 'Network Security', 'Lei Chen', 'IT issues', 'Jeff Kaleta')
```

### Prob. 2

Write a Python program to take user input  $n$ . (1) Put all the numbers of  $2^1, 2^2, 2^3, \dots$  etc until  $2^n$  into an old tuple. Print out the tuple as follows. (2) Then append another number  $2^{n+1}$  into this tuple. Print it out again. (3) insert  $3^1, 3^2, 3^3, \dots$  etc. until  $3^n$  into the old tuple (1) to make the following tuple. Print out the new tuple as follows.

```
Please enter the exponent number: 5
(1) The old tuple is: (2, 4, 8, 16, 32)
(2) The new tuple is: (2, 4, 8, 16, 32, 64)
(3) The new tuple is: (2, 3, 4, 9, 8, 27, 16, 81, 32, 243)
```



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### Activity Details



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