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Optional End of Week 2 Quiz

This quiz is completely optional and is provided so you may get feedback, if desired, on your understanding of the basics of python programming and working with unix. Good luck!

Lists and Arrays

1/1 point (ungraded)

What will be printed by the following code snippet?

```
x = [1, 2, 3]
y = x
x[1] = 42
print (y)
```

☐ [1, 2, 3]

☒ [1, 42, 3] ✓

☐ [42, 2, 3]

☐ [42, 1, 3]

Submit

✓ Correct (1/1 point)

Tuple Arithmetic

1/1 point (ungraded)

Assuming the list below:

```
mylist = [6, 8, 12, 13]
```

What is the output from the following code snippet?

```
mylist[3] % mylist[1]
```

☐ 0

☐ 7

☐ 4

☒ 5 ✓

Submit

✓ Correct (1/1 point)

Tuple Indices

1/1 point (ungraded)

Assuming the code below:

```
tup1 = ('physics', 'chemistry', 1997, 2000, 2001, 1999)
```

What is the result of: `tup1[2]`

1997



1997

Submit

✓ Correct (1/1 point)

Dictionaries/Tuples

1/1 point (ungraded)

While lists access values using an index, dictionaries access values using a(n) ____.

☐ index

☒ key ✓

☐ value

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✓ Correct (1/1 point)

Tuples

1/1 point (ungraded)

Assuming the tuple below:

```
tup1 = ('physics', 'chemistry', 1997, 2000, 2001, 1999)
```

What will be the following result of:

```
tup1[2]=1998  
print(tup1)
```

☐ ('physics', 'chemistry', 1997, 2000, 2001, 1999)

☐ ('physics', 'chemistry', 1998, 2000, 2001, 1999)

☒ TypeError: 'tuple' object does not support item assignment ✓

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✓ Correct (1/1 point)

Tuple Indexing

1/1 point (ungraded)

Assuming the tuple below:

```
tup1 = ('physics', 'chemistry', 1997, 2000, 2001, 1999)
```

What will be the following result of `tup1[1:4]` .

☐ ('physics', 'chemistry', 1997, 2000)

☐ ('chemistry', 1997, 2000, 2001)

☒ ('chemistry', 1997, 2000) ✓

☐ (1997, 2000, 2001, 1999)

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✓ Correct (1/1 point)

Sets in Python

1/1 point (ungraded)

True or False: In Python, you cannot insert duplicates in sets.

True ▼



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✓ Correct (1/1 point)

UNIX commands

1/1 point (ungraded)

Header

Which of the following UNIX commands allows searching for the occurrence of a string matching a specified pattern?

☐ man

☒ grep ✓

☐ cat

☐ who

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✓ Correct (1/1 point)

Pipes and Filters

1/1 point (ungraded)

Which is the correct UNIX command to find the NUMBER of occurrences of the string "the" in a file named "fileName.txt" using pipes and the proper commands. Assume you are in the directory with the file "fileName.txt".

☐ `head fileName.txt | grep the | wc`

☒ `cat fileName.txt | grep the | wc` ✓

☐ `head fileName.txt | find the | wc`

☐ `cat fileName.txt | find the | wc`

Submit

✓ Correct (1/1 point)