[220] Database 3

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Announcements

- P10 - Due Friday May 1
- Late Days may not be used
- Point Redistribution
- Final Project - Thursday April 23 (end of the day)
- Grading / Resubmission / Deadline Extension – Google Form
- Course Evaluations
- What are professors in other classes doing that's working well
    - Exams???
- Lecture Feedback – Databases 2

```
In [20]: 1  # trees[trees["priority"] > 90][["x", "y"]]
         2  trees
```

Out[20]:

	tree	x	y	species	diameter	priority
0	A	10	4	m	8	71
1	B	20	4	m	10	100
2	C	30	4	p	6	30
3	D	40	4	p	8	40
4	E	50	4	m	12	99

trees[trees["priority"] > 90] [["x", "y"]]

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In [20]:  1  # trees[trees["priority"] > 90][["x", "y"]]
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trees[trees["priority"] > 90][["x", "y"]]

```
In [19]:   1  trees["priority"]
```

Out[19]: 0   71
          1   100
          2   30
          3   40
          4   99
          Name: priority, dtype: int64

```
In [20]:   1  # trees[trees["priority"] > 90][["x", "y"]]
           2  trees
```

Out[20]:

	tree	x	y	species	diameter	priority
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2	C	30	4	p	6	30
3	D	40	4	p	8	40
4	E	50	4	m	12	99

trees[trees["priority"] > 90][["x", "y"]]

```
In [21]:   1  trees["priority"] > 90
```

Out[21]:   0   False
           1   True
           2   False
           3   False
           4   True
           Name: priority, dtype: bool

```
In [20]:   1  # trees[trees["priority"] > 90][["x", "y"]]
           2  trees
```

Out[20]:

	tree	x	y	species	diameter	priority
0	A	10	4	m	8	71
1	B	20	4	m	10	100
2	C	30	4	p	6	30
3	D	40	4	p	8	40
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```
trees[trees["priority"] > 90][["x", "y"]]
```

```
1  ["x","y"]
```

['x', 'y']

```
1  type(["x","y"])
```

list

```
In [20]:  1  # trees[trees["priority"] > 90][["x", "y"]]
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```

Out[20]:

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DataFrame

[List]

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trees[trees["priority"] > 90][["x", "y"]]

```
  1  trees[trees["priority"] > 90][["x", "y"]]
```

	x	y
1	20	4
4	50	4

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In [20]:  1  # trees[trees["priority"] > 90][["x", "y"]]
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```

Out[20]:

	tree	x	y	species	diameter	priority
0	A	10	4	m	8	71
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```
trees[trees["priority"] > 90][["x", "y"]]
```

Where   **Select**

```
1  trees[trees["priority"] > 90]
```

	tree	x	y	species	diameter	priority
1	B	20	4	m	10	100
4	E	50	4	m	12	99

	x	y
1	20	4
4	50	4