

String Formatting

Agenda

- Do Now & Review [6 min]

-

```
python
```

```
bestPets("dogs", "cats") #returns "dogs are better than cats"
```

```
bestPets("turtles", "ferrets") #returns "turtles are better than ferrets"
```

```
bestPets("lemurs", "parrots") #returns "lemurs are better than parrots"
```

```
* Demo [10 min]
```

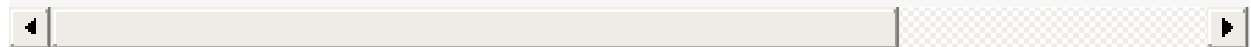
```
- Discuss the three ways of formatting a string
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```
* Lab Activity [25 min]
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```
- Pair Programming: Switch off navigator and driver roles between *.txt files
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```
## Basic Formatting
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```
Change the number of {} in the string. Change the number of arguments provided to
```



```
python
```

```
"hello! my name is {}".format("charles") #returns "hello! my name is charles."
```

```
"{} hours".format(10000) #returns "10000 hours"
```

```
1. How does adding more {} affect the behavior of .format()
```

```
2. How does adding more arguments affect the behavior of .format()
```

```
## Adding Position to Placeholders
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python
```

```
"{0} > {1}".format("Duke", "UNC")
```

```
"{1} < {0}".format("Duke", "UNC")
```

```
1. How does switching the numbers inside of the placeholders change the result?
```

```
## Name Placeholders
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```
python
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"{city} is in {country} ".format(city="Hong Kong", country="China")

'{pronoun} {verb} {noun}! '.format(pronoun="We", verb='love!' noun="chocolate")

Instructions

You'll need **to** revisit processing input **from the** user **and** opening files **to** complete

1. Create a folder `madlibs`.

2. Create two **file** ins: `jungle.txt` **and** `newspaper.txt`, save **the text below in th**

3. View **the contents of the file** jungle.txt.

4. Write **the python script**, madlibs.py, which reads **from **text file** from** `jungle

5. Write a **second script to** process `newspaper.txt`. You are allowed **to** modify **the**

jungle.txt

Once upon a time, deep in an ancient jungle,
therelived a {animal}. This {animal}
liked to eat {food}, but the jungle had
very little {food} to offer. One day, an
explorer found the {animal} and discovered
it liked {food}. The explorer took the
{animal} back to {city}, where it could
eat as much {food} as it wanted. However,
the {animal} became homesick, so the
explorer brought it back to the jungle,
leaving a large supply of {food}.

The End.

newspaper.txt

Mrs. Fifi Vanderbold, the {ADJECTIVE} and {ADJECTIVE} heiress,
has filed for divorce from her husband. Percy Vanderbold, the former
{ADJECTIVE} {NOUN} of Harvard, class of '38, now in the
{NOUN} business. Mrs. Vanderbold claimed that her husband
had {VERB (PAST TENSE)} her bed of {COLOR} flowers and tracked
{ADJECTIVE} mud into the house. He also criticized her cooking.
Mr. Vanderbold, when asked to comment, said, "{EXCLAMATION}"!
I didn't do it. The pet {ANIMAL} ruined the flowers. And I

offered to take her out to restuarants more often!"

'''