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## EECS 168 2021 Fall

### Rules

- **Time limit:** 2 hours 30 minutes
- Only mark your answers within designated answer boxes
- **Unauthorized aid:** Other students, notes, books, phones, any electronic devices, any material not provided to you on the exam (other than your writing utensil)
- **Authorized aid:** Your amazing brain

Your Name	
KUID	
Date	

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## Memory Jogger

Below is of various data types, methods, and functions we've covered during the semester. While I can't provide all information during the exam, I hope this section at least serves to help you should you get stuck.

List Methods	Dictionary Methods
<pre>my_list.append(val) my_list.count(val) my_list.pop(index) my_list.reverse()</pre>	<pre>my_dict.keys() my_dict.value() my_dict.items()</pre>

Set methods	String Methods
<pre>my_set.add(val) set1.intersection(set2) set1.difference(set2)</pre>	<pre>my_str.count(string) my_str.lower() my_str.strip() my_str.center(width, fillchar)</pre>

Built-in methods	Keywords and Operators
<pre>len(iterable) print(value, end=char) set(iterable) list(iterable) str(val) int(val) float(val) bool(val)</pre>	<pre>^ * / // ** % + - &lt; &lt;= &gt; &gt;= == != and or in for __ in __: while ____ :</pre>

Random module	Magic Methods
<pre>import random random.randint(low,high) #inclusive random.choice(iterable) random.choices(iterable, k=amount) random.sample(iterable, k=amount) random.shuffle(list)</pre>	<pre>__gt__ __str__ __ge__ __lt__ __le__ __eq__ __ne__ __repr__ __init__</pre>