



LDOC!

# Announcements

## Assignments:

- RD assignment was due on Friday; *if you have not turned this in, please do so by 11:59pm tonight!*
- Final deadline on all deliverables: *11:59pm tonight (April 28)*

## Final Exam Preparation:

- Review your past quizzes and the supplemental final exam practice
- Office Hours (11am-5pm) and Tutoring (5-7pm) today!
- Recorded review session tomorrow (details will be announced today)

## Final Exam:

- Official date: May 1 @ 8-11am
  - Section 001: Hamilton 100
  - Section 002: Genome G100
- Makeup date: May 4 @ 12pm in Sitterson Hall (SN), room 014

Interested in serving as an Undergrad TA for COMP110 in Fall 2025?  
Please [apply](#) by **May 4th!**

# Code Writing Practice

- Write a class with the following characteristics:
- The class' name is Staff.
- Every Staff object has two attributes: name (string) and is\_cs (bool).
- You should be able to construct a Staff object with a constructor that has parameters to initialize each attribute
- You should implement any methods necessary to implement the following behavior:

```
>>> prof: Staff = Staff("Kris", True)
>>> print(prof.greet())
Hello, I'm Kris in CS
>>> dr: Staff = Staff("Mara", False)
>>> print(dr.greet())
Hello, I'm Mara NOT in CS
```

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**Question 5: Loops** In this series of questions, you will trace code that modifies a boolean list `a`.

You will respond beneath each code listing by *completely shading in the squares of items whose value is assigned `True`*. If an error occurs during the evaluation of the loop, fill in the **Error** box and stop evaluating. If any item's value was assigned `True` prior to the error, keep its value shaded in.

You can assume `a` is initialized with *8 `False` elements*, as shown below, and that each question is independent of the next.

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```
f: bool = False
a: list[bool] = [f, f, f, f, f, f, f, f]
```

```
4 i: int = 0
5 while i < len(a):
6     if i % 2 == 1 and i >= 3:
7         a[i] = True
8     i += 1
```

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0	1	2	3	4	5	6	7	Error

```
4 i: int = 0
5 while i <= 8:
6     if i % 2 == 0:
7         a[i] = True
8     i += 1
```

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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0	1	2	3	4	5	6	7	Error

`a`

id:o
------

`i`

0
---

`id:o`

list[bool]	
0	False
1	False
2	False
3	False
4	False
5	False
6	False
7	False

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0	1	2	3	4	5	6	7	Error

a 

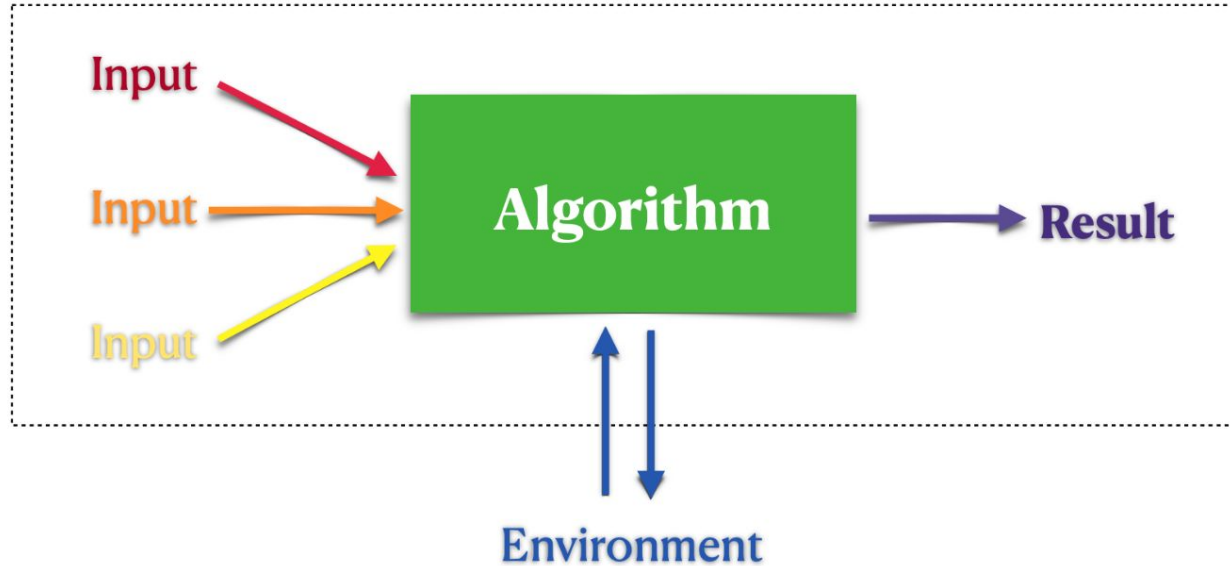
id:o
------

i 

0
---

id:o	list[bool]	
	0	False
	1	False
	2	False
	3	False
	4	False
	5	False
	6	False
	7	False

# The Fundamental Pattern





Thank you to the incredible  
110 Team!



Thank YOU for a  
wonderful semester!

