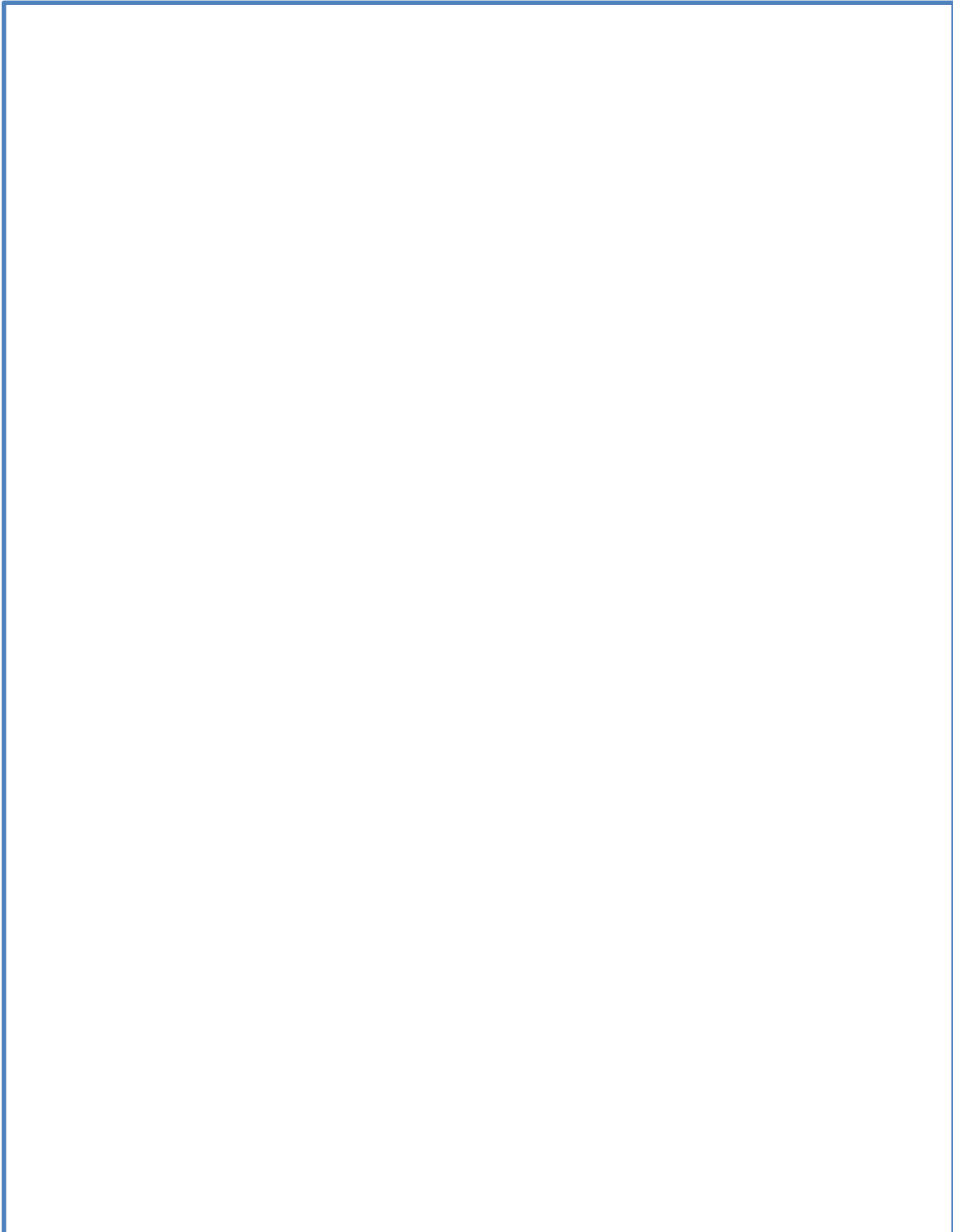


## Lecture 21 Exercises

### CS 51P – Fall 2022

1. Define a class `Rectangle` with attributes `width` and `height` and method `__init__`



2. Define a function `create_rect(w, h)` that takes two arguments `w` and `h`, creates a rectangle with width `w` and height `h`, and returns that rectangle.
3. Add a second constructor to your class `Rectangle` that takes three parameters (`self`, `width`, and `height`).
4. Add a `__str__` method to your class `Rectangle`
5. Modify your class `Rectangle` to add an additional method `area` that returns the area of the rectangle
6. Write a `main` function that creates two `Rectangles`, uses the `area` method to compute the area of each and then prints which one is bigger