

Lesson 79: Picture Lab #4 (W26D2)

Balboa High School

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- Have your solutions to the A7 HW exercises ready to be checked.
 - #1: Show printed value of count (1pt)
 - #3 & #2: Show resulting images and have `mirrorGull()` and `mirrorArms()` methods available to show. (2pts/ea)
- Read §A8 (pp19-20) in the [student manual](#). The image [here](#) may help you understand the provided `copy()` method.

Aim

Students will gain more experience with 2D arrays and learn about digital images via the College Board's *Picture Lab*.

Solutions to the A7 Exercises

Let's go over the solutions to §A7: [teacher-only link](#).

A8: Creating a Collage

Do exercise 1 on p20:

- Call your new method `copyPartial()`
- Parameters should be:

```
public void copyPartial(Picture fromPic, int fromStartRow,  
    int fromStartCol, int fromEndRow, int fromEndCol,  
    int toStartRow, int toStartCol)
```

- starting and ending col/row values in `fromPic`
- where `fromPic` should be copied to in current `Picture`
- A tester method that copies just the swan's head from `swan.jpg` to the center of a blank canvas has been provided [here](#).

A8: Creating a Collage

- Do exercise 2 on p21.
- Extra time? Work on challenge problems from prior sections!

- Finish exercises 1 & 2 (pp20-21) in §A8
- Due next class