CS 121 Lab, March 24, no submission is required

1. General feedback on student programs for past exercise problems

2. Discuss the information given in the documentation of the Image Classification Project Part I (Focus) and Part II: What is the image classification problem? What are the inputs, outputs, and the required functionality for the whole process, individual methods...? What is the machine learning process described in the documentation? ... Please don’t discuss how you would solve the problem or how you would program the methods, etc. The “how” part is your assignment and needs to be done by you, with guidance from the course staff if needed. Please contact us early if you have questions or need help.

3. Study, trace and understand the following code, and explain its output:

```java
Picture pic = new Picture(args[0]);
for (int col = 0; col < pic.width(); col++)
    for (int row = 0; row < pic.height(); row++)
        pic.set(col, pic.height()-row-1, pic.get(col, row));
pic.show();
```

A. Tries to turn image upside down, but fails. An instructive bug!

4. Study, trace and understand the following code, and explain its output:

```java
Picture source = new Picture(args[0]);
int width = source.width();
int height = source.height();
Picture target = new Picture(width, height);
for (int col = 0; col < width; col++)
    for (int row = 0; row < height; row++)
        target.set(col, height-row-1, source.get(col, row));
target.show();
```

A. Makes an upside down copy of the image.