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1. Open Picture.java and look for the method getPixels2D. Is it there?

1. No, the method is called a couple times, but it is never defined in Picture.java

2. Open SimplePicture.java and look for the method getPixels2D. Is it there?

1. Yes, the implementation for it is present as well.

3. Does the following code compile?

DigitalPicture p = new DigitalPicture();

1. The code *does not* compile, the code above creates an object, p, for an interface.

4. Assuming that a no-argument constructor exists for SimplePicture, would the following

code compile?

DigitalPicture p = new SimplePicture();

1. Yes, it should compile.

5. Assuming that a no-argument constructor exists for Picture, does the following code

compile?

DigitalPicture p = new Picture();

1. Yes, it should compile.

6. Assuming that a no-argument constructor exists for Picture, does the following code

compile?

SimplePicture p = new Picture();

1. Yes, as picture extends SimplePicture

7. Assuming that a no-argument constructor exists for SimplePicture, does the following

code compile?

Picture p = new SimplePicture();

1. No, because picture extend simple Picture (not the other way around)