

Run

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Show CodeLens

Reformat



```
73  /**
74   * Method to return a string with information about this picture.
75   *
76   * @return a string with information about the picture such as fileName, height
77   *         and width.
78   */
79  public String toString()
80  {
81      String output =
82          "Picture, filename "
83          + getFileName()
84          + " height "
85          + getHeight()
86          + " width "
87          + getWidth();
88      return output;
89  }
90  //CODE BY AKSHAT GARG
91  public void fixUnderwater(){
92      Pixel[][] pixels = this.getPixels2D();
93
94      for (Pixel[] rowArray : pixels)
95      {
96          for (Pixel p : rowArray)
97          {
98              p.setRed(p.getRed()*2);
99              p.setGreen(p.getGreen()/2);
100          }
101      }
102  }
103
104  /* Main method for testing
105   */
106  public static void main(String[] args)
107  {
108      Picture pict = new Picture("water.jpg");
109      pict.show();
110      System.out.println("Fix Underwater: ");
111      pict.fixUnderwater();
112      pict.show();
113  }
114 }
```



Fix Underwater:



Result	Expected	Actual	Notes
Passed	true	true	Checking that code contains fixUnderwater() method
Passed	true	true	Checking that code contains fixUnderwater() uses the setRed() method to increase red values
Passed	true	true	Checking that fixUnderwater() contains 2 for loops

You got 3 out of 3 correct. 100.00%

Activity: 8.9.3.2.4 ActiveCode (picture-lab-A5-fix-underwater)

It was kind of tricky figuring out the colors to tweak to get the expected result, but I ended up doing pretty well. I got some varying results with multiplying and subtracting color values, but the loops and the methods were relatively simple. Forgot the () after getRed, which gave me an error, but I fixed it pretty easily.