

MATLAB Assignment 2

Question 1

The portable graymap format (PGM) grayscale images used in this assignment were retrieved from <http://sun.aei.polsl.pl/~rstaros/mednat/index.html>. This is a dataset of medical grayscale images for evaluating image compression algorithms. The set was prepared as a part of the research project Nr 4 T11C 032 24, which was fully supported by the Grant of the Polish National Research Committee (KBN).

This function performs multiplicative brightness correction on a monochrome image. It takes as arguments: a monochrome image, a number between 0 and 100 and a parameter indicating whether the correction is intended to brighten or darken the image

```
function [y] = brightnessFunction(I, amount, b)
y = (1 + b * (amount/100)) * I;
```

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