Accessing Parts of Arrays-II

Spoken Tutorial Project
http://spoken-tutorial.org
National Mission on Education through ICT

http://sakshat.ac.in

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Objectives

In this tutorial we will learn,

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In this tutorial we will learn,

- **Read images into arrays and perform processing on them.**

System Specifications

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- **Ubuntu Linux 14.04**

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- **`Python 2.7.6`**

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- **`Python 2.7.6`**
- **`IPython 4.0.0`**

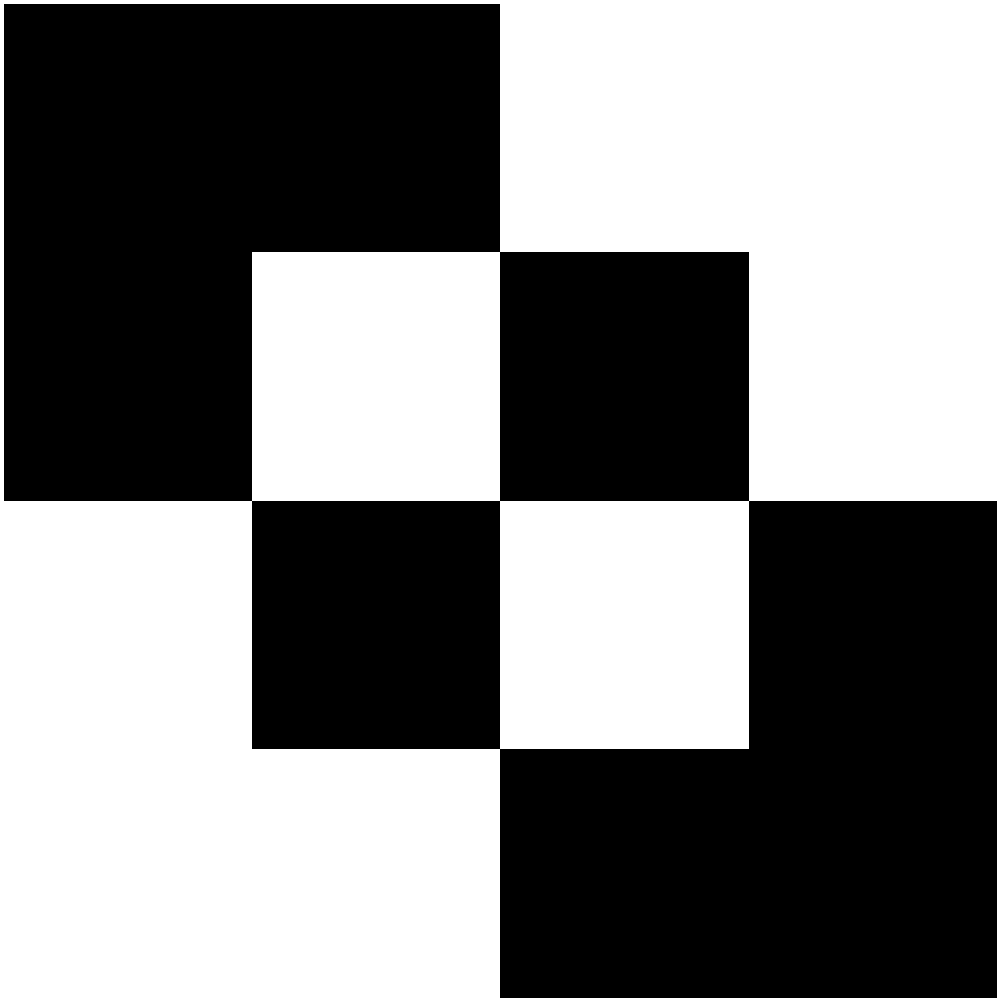
Pre-requisite

To practise this tutorial, you should know how to

- **run basic Python commands on the ipython console.**
- **access parts of arrays**

If not, see the pre-requisite Python tutorials on http://spoken-tutorial.org

Squares.png



Exercise 1

- **Obtain the square in the center of the image.**

Python.png

Summary

In this tutorial, we have learned to,

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In this tutorial, we have learned to,

- **Read images into arrays and manipulate them.**

Evaluation

1. **Given the array,**

```
C = array([[10, 11, 12, 13],
           [20, 21, 22, 23]])
```

Change the array to,

```
C = array([[10, 11, 10, 11],
           [20, 21, 20, 21]])
```

Solutions

1. `c[:2, 2:] = c[:2, :2]`

Forum to answer questions

- **Do you have questions in THIS Spoken Tutorial?**
- **Choose the minute and second where you have the question.**
- **Explain your question briefly.**
- **Someone from the FOSSEE team will answer them. Please visit**

http://forums.spoken-tutorial.org/

Forum to answer questions

- **Questions not related to the Spoken Tutorial?**
- **Do you have general / technical questions on the Software?**
- **Please visit the FOSSEE Forum**

  http://forums.fossee.in/
- **Choose the Software and post your question.**

Textbook Companion Project

- **The FOSSEE team coordinates coding of solved examples of popular books**
- **We give honorarium and certificate to those who do this**

For more details, please visit this site:

http://tbc-python.fossee.in/

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- More information on this Mission is available at: http://spoken-tutorial.org/NMEICT-Intro

THANK YOU!

For more Information, visit our website
http://fossee.in/