

## MainDisplay 2.MainDisplay Class Reference

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Responsible for the main display operations of images. [More...](#)

### Public Member Functions

<code>__init__</code> (self)
Initializes the MainDisplay object.
<code>readImage</code> (self, image_path)
Reads an image from a given file path.
<code>setImage</code> (self, image)
Sets the image for display.
<code>saveImage</code> (self)
Displays the set image.

### Public Attributes

<code>result_image</code>
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### Detailed Description

Responsible for the main display operations of images.

This class handles reading, setting, and displaying images using OpenCV.

Definition at line **11** of file [MainDisplay 2.py](#).

### Constructor & Destructor Documentation

◆ `__init__()`

MainDisplay 2.MainDisplay.\_\_init\_\_ ( self )

Initializes the MainDisplay object.

This constructor initializes the result image to None.

Definition at line **18** of file [MainDisplay 2.py](#).

### Member Function Documentation

◆ `readImage()`

MainDisplay 2.MainDisplay.readImage ( self, image\_path )

Reads an image from a given file path.

**Parameters**  
`image_path` str: The file path of the image to be read.

**Returns**  
The read image.

Definition at line **27** of file [MainDisplay 2.py](#).

◆ `saveImage()`

MainDisplay 2.MainDisplay.saveImage ( self )

Displays the set image.

Opens a window to display the set image. The window closes upon any key press.

Definition at line **46** of file [MainDisplay 2.py](#).

◆ `setImage()`

MainDisplay 2.MainDisplay.setImage ( self, image )

Sets the image for display.

**Parameters**  
`image` The image to be displayed.

**Returns**  
The set image.

Definition at line **37** of file [MainDisplay 2.py](#).

### Member Data Documentation

◆ `result_image`

MainDisplay 2.MainDisplay.result\_image

Definition at line **19** of file [MainDisplay 2.py](#).