

## PyImageSearch Gurus Course

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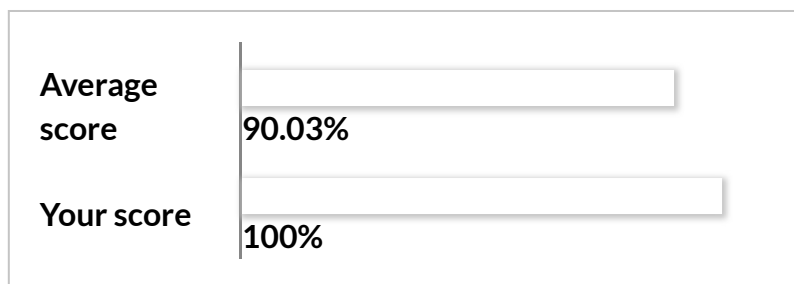
# Contour Approximation Quiz

## Results

5 of 5 questions answered correctly

Your time: 00:03:53

You have reached 5 of 5 points, (100%)



[Click Here to Continue \(https://gurus.pyimagesearch.com/topic/contour-approximation/?quiz\\_type=lesson&quiz\\_redirect=1&lesson\\_id=988&quiz\\_id=1701\)](https://gurus.pyimagesearch.com/topic/contour-approximation/?quiz_type=lesson&quiz_redirect=1&lesson_id=988&quiz_id=1701)

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## 1. Question

Download the source code to this lesson, then open up `approx_simple.py`.

Suppose we wanted to distinguish between circles and triangles rather than squares. What line of code would we have to change?

- ☐ Line 12
- ☐ Line 17
- ☐ Line 18
- ☒ **Line 24**

**Correct**

## 2. Question

To answer the remaining questions in this quiz, download the following image: <http://pyimg.co/1e5ok> (<http://pyimg.co/1e5ok>).

Then, find the contour of the dog silhouette in the image and approximate the contour using 1% the length of the perimeter. How many points are in the approximated contour?

- ☐ 3
- ☐ 24
- ☒ **17**
- ☐ 5

**Correct**

## 3. Question

How many points are in the approximated contour when we use 5% of the original perimeter?

- ☐ 3
- ☒ **5**

☐ 17

☐ 24

**Correct**

## 4. Question

How many points are in the approximated contour when we use 10% of the original perimeter?

☐ 24

☐ 17

☐ 5

☒ 3

**Correct**

## 5. Question

As the percentage of perimeter increases, the number of points in the approximation:

☐ Does not change

☐ Increases

☒ Decreases

**Correct**

Feedback

## Course Progress

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- [PyImageSearch Virtual Machine \(https://gurus.pyimagesearch.com/pyimagesearch-virtual-machine/\)](https://gurus.pyimagesearch.com/pyimagesearch-virtual-machine/)
- [Setting up your own Python + OpenCV environment \(https://gurus.pyimagesearch.com/setting-up-your-python-opencv-development-environment/\)](https://gurus.pyimagesearch.com/setting-up-your-python-opencv-development-environment/)
- [Course Syllabus & Content Release Schedule \(https://gurus.pyimagesearch.com/course-syllabus-content-release-schedule/\)](https://gurus.pyimagesearch.com/course-syllabus-content-release-schedule/)
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- [Your Achievements \(https://gurus.pyimagesearch.com/achievements/\)](https://gurus.pyimagesearch.com/achievements/)
- [Official OpenCV documentation \(http://docs.opencv.org/index.html\)](http://docs.opencv.org/index.html)

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