Course  ›  OpenCV Course Co...  ›  Image Filtering  ›  Quiz

# Quiz
## Question 1

1/1 point (graded)
Which of the following is not a blurring/smoothening filter in OpenCV?

○ Median Filter

○ Gaussian Filter

○ Bilateral Filter

◉ Canny Filter ✔

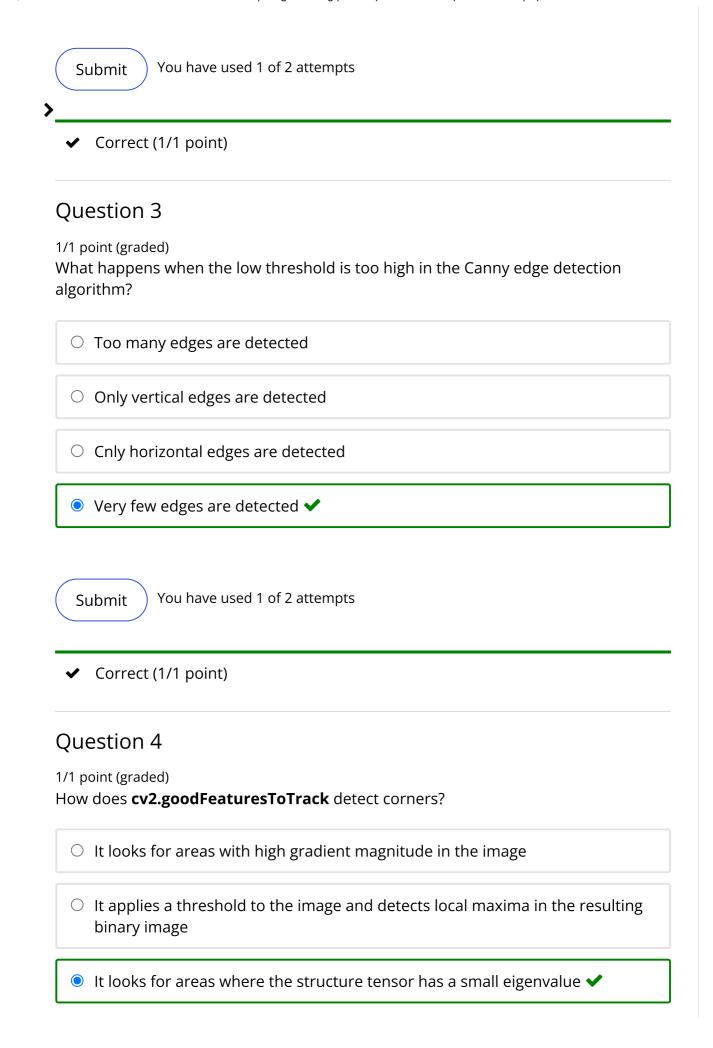( Submit )　　You have used 1 of 2 attempts

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✔　Correct (1/1 point)

## Question 2

1/1 point (graded)
Which of the following is true about the Bilateral Filter in OpenCV?

○ It only blurs the edges in an image

◉ It can reduce unwanted noise while keeping edges fairly sharp ✔

○ It can only be applied to grayscale images

○ It is faster than other blurring filters in OpenCV

( Submit )    You have used 1 of 2 attempts

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✔  Correct (1/1 point)

## Question 3

1/1 point (graded)
What happens when the low threshold is too high in the Canny edge detection algorithm?

○  Too many edges are detected

○  Only vertical edges are detected

○  Cnly horizontal edges are detected

◉  Very few edges are detected ✔

( Submit )    You have used 1 of 2 attempts

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✔  Correct (1/1 point)

## Question 4

1/1 point (graded)
How does **cv2.goodFeaturesToTrack** detect corners?

○  It looks for areas with high gradient magnitude in the image

○  It applies a threshold to the image and detects local maxima in the resulting binary image

◉  It looks for areas where the structure tensor has a small eigenvalue ✔

○ It applies a Laplacian of Gaussian filter to the image and detects zero-crossings

❯

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✔ Correct (1/1 point)

## Question 5

1/1 point (graded)
What is the function of **cv2.blur()** in OpenCV?

○ It applies a Gaussian blur to an image.

○ It applies a median blur to an image.

◉ It applies an average blurring filter to an image. ✔

○ It applies a bilateral filter for edge-preserving and noise-reducing image smoothing.

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✔ Correct (1/1 point)

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