Name: Ahmed Asaad
Matric No: G1916043

The main Code start

Read an image

create two windows to place images and trackbars in them

creeate four trackbars for manipulating threshold and Min and Max radius of circles and assign the current value and the range for each

call "ontrackbar" function

copy original image → give the parameters of Canny and Hough → get the edge map → apply Hough Circle Transform

show the result of edges and original image with ← Draw the detected circles:

changing the parameters of canny or Min and Max radian?

Yes

No

call "ontrackbar" function again

Click Esc?

No

Yes

nothing

Quit Windows and End Code