34)Write a Python function to create a white image size entered by the user and then create a shape of Circle using Open CV.

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Code:
import cv2
import numpy as np
def draw_circle_on_white_image(width, height):
  # Create a white image
  image = np.ones((height, width, 3), dtype=np.uint8) * 255
  # Calculate center and radius for the circle
  center = (width // 2, height // 2)
  radius = min(width, height) // 4 # Circle takes up 1/2 of the smaller dimension
  # Draw the circle (green color in BGR, thickness 3)
  cv2.circle(image, center, radius, color=(0, 255, 0), thickness=3)
  # Display the image
  cv2.imshow("Circle on White Image", image)
  cv2.waitKey(0)
  cv2.destroyAllWindows()
  # Optionally save the image
  cv2.imwrite("circle_output.jpg", image)
# Example usage
width = int(input("Enter image width: "))
height = int(input("Enter image height: "))
draw_circle_on_white_image(width, height)
```

## OUTPUT:

