35) Write a Python function to create a text string entered by the user that must be appeared on the given image using Open CV.

CODE:

```
import cv2

import numpy as np


def put_text_on_image(image_width, image_height, user_text):

    # Create a white image

    image = np.ones((image_height, image_width, 3), dtype=np.uint8) * 255


    # Font settings

    font = cv2.FONT_HERSHEY_SIMPLEX

    font_scale = 1

    color = (0, 0, 0)  # Black text

    thickness = 2


    # Get text size to center it

    (text_width, text_height), _ = cv2.getTextSize(user_text, font, font_scale, thickness)

    text_x = (image_width - text_width) // 2

    text_y = (image_height + text_height) // 2


    # Put the text on the image

    cv2.putText(image, user_text, (text_x, text_y), font, font_scale, color, thickness)


    # Display the image

    cv2.imshow("Text on Image", image)

    cv2.waitKey(0)

    cv2.destroyAllWindows()


    # Optionally save the image

    cv2.imwrite("text_output.jpg", image)
```

```
# Example usage:
width = int(input("Enter image width: "))
height = int(input("Enter image height: "))
text = input("Enter the text to display: ")
put_text_on_image(width, height, text)
```

OUTPUT: