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Assignment 3

```
%By-
% Kumar Ashutosh 16D070043
% Nisha Brahmankar 16D070019
% Adarsh Kumar 160110071

tic;
```

Optimal Parameters

```
n_iterations = 20;
h_spatial = 20;
h_intensity = 15;
knn_neighbours = 500;
```

Input

```
input = imread('../data/flower.png');
scaled_input = input(1:2:end, 1:2:end, :);
```

Taking the Output with the above parameters and myMeanShiftSegmentation

```
output = myMeanShiftSegmentation(scaled_input, h_spatial, h_intensity,
 n_iterations);
output = uint8(output); %For analyzing the distict color values
```

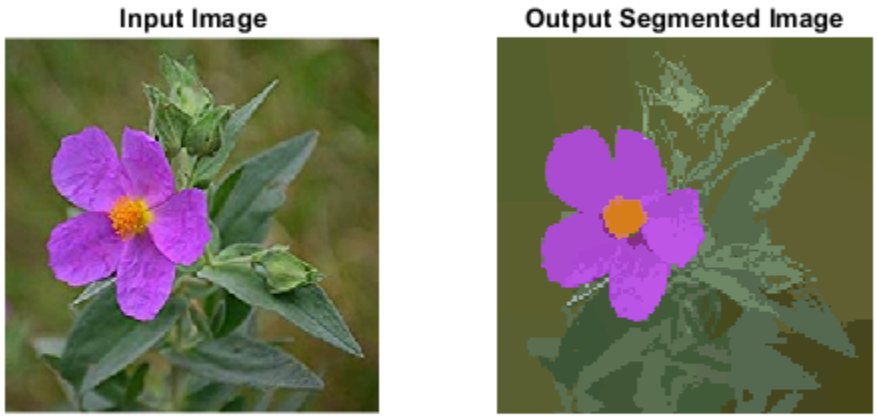
Plotting the Output

```
figure
subplot(1, 2, 1)
imshow(input)
title('Input Image')

subplot(1, 2, 2)
imshow(output)
title('Output Segmented Image')
```

```
toc;
```

```
Elapsed time is 497.996335 seconds.
```



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