DIGITAL IMAGE PROCESSING

ASSIGNMENT 2

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AIM : TO RESIZE AN IMAGE IN MATLAB

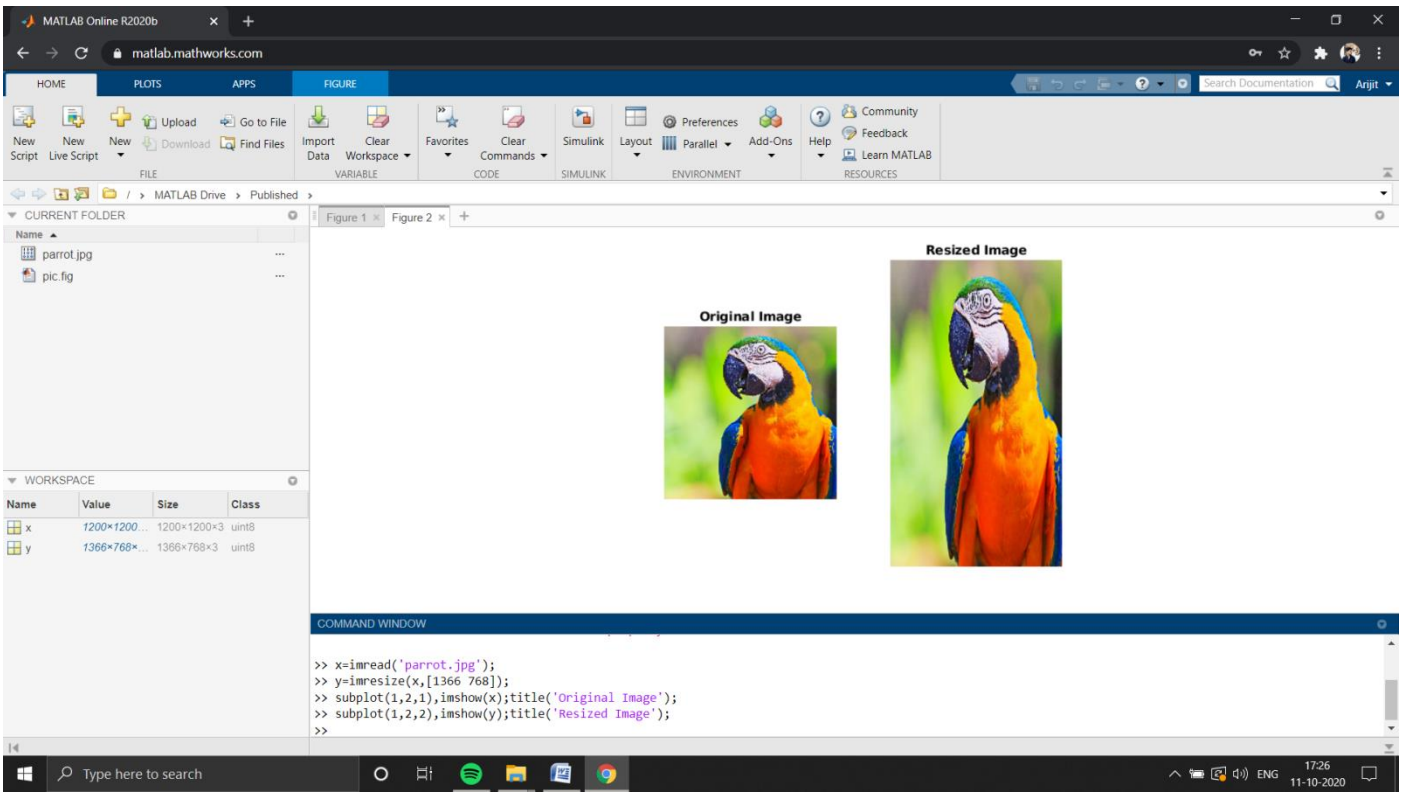
CODING:

```
x=imread('parrot.jpg');
y=imresize(x,[1366 768]);
subplot(1,2,1),imshow(x);title('Original Image');

subplot(1,2,2),imshow(y);title('Resized

Image');
```

IMPLEMENTATION



AIM : NEGATIVE OF IMAGE IN MATLAB

CODING:

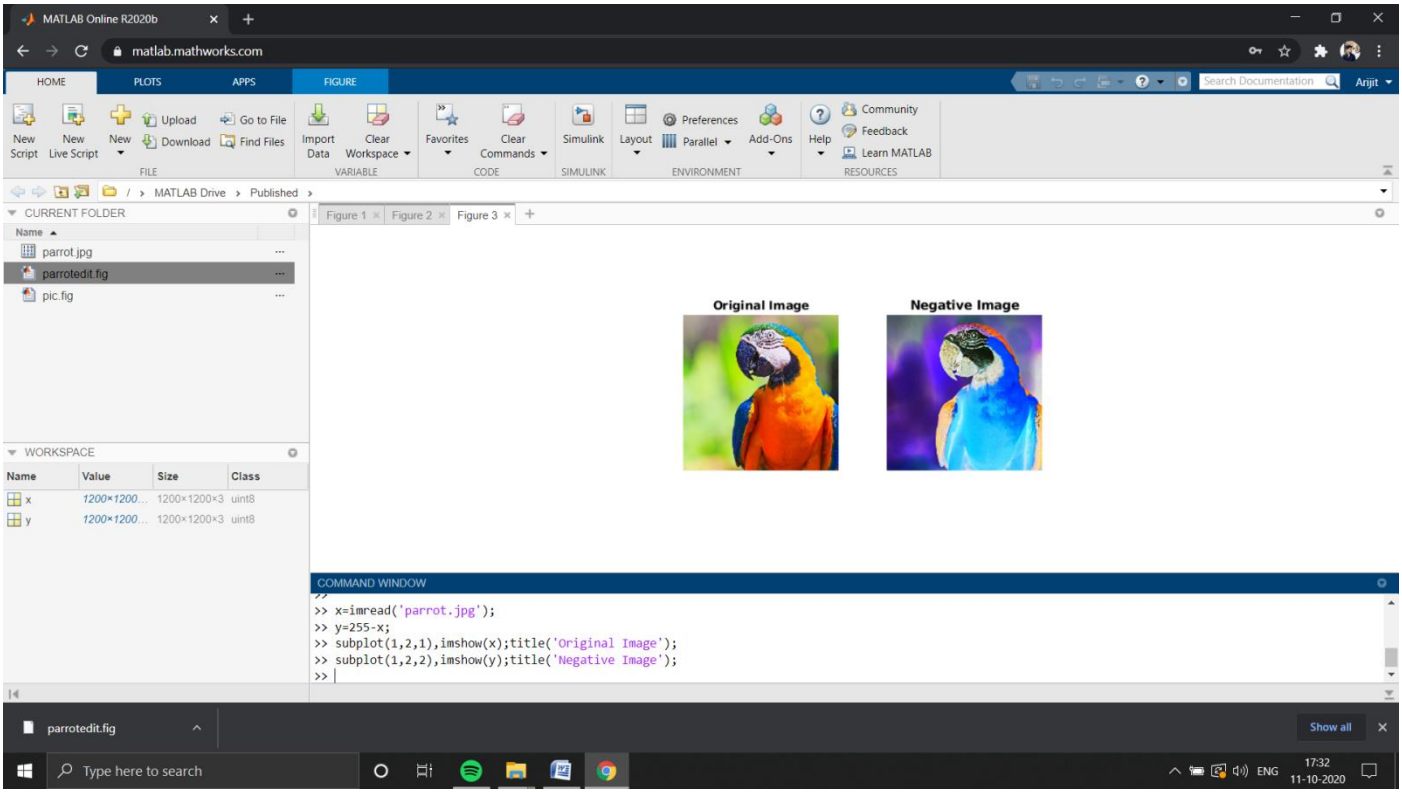
```
x=imread('image.jpg);

y=255-x;

subplot(1,2,1),imshow(x);title('Original Image);

subplot(1,2,2),imshow(y);title('Negative Image);
```

IMPLEMENTATION



AIM : HISTOGRAM EQUALISATION OF IMAGE IN MATLAB

CODING:

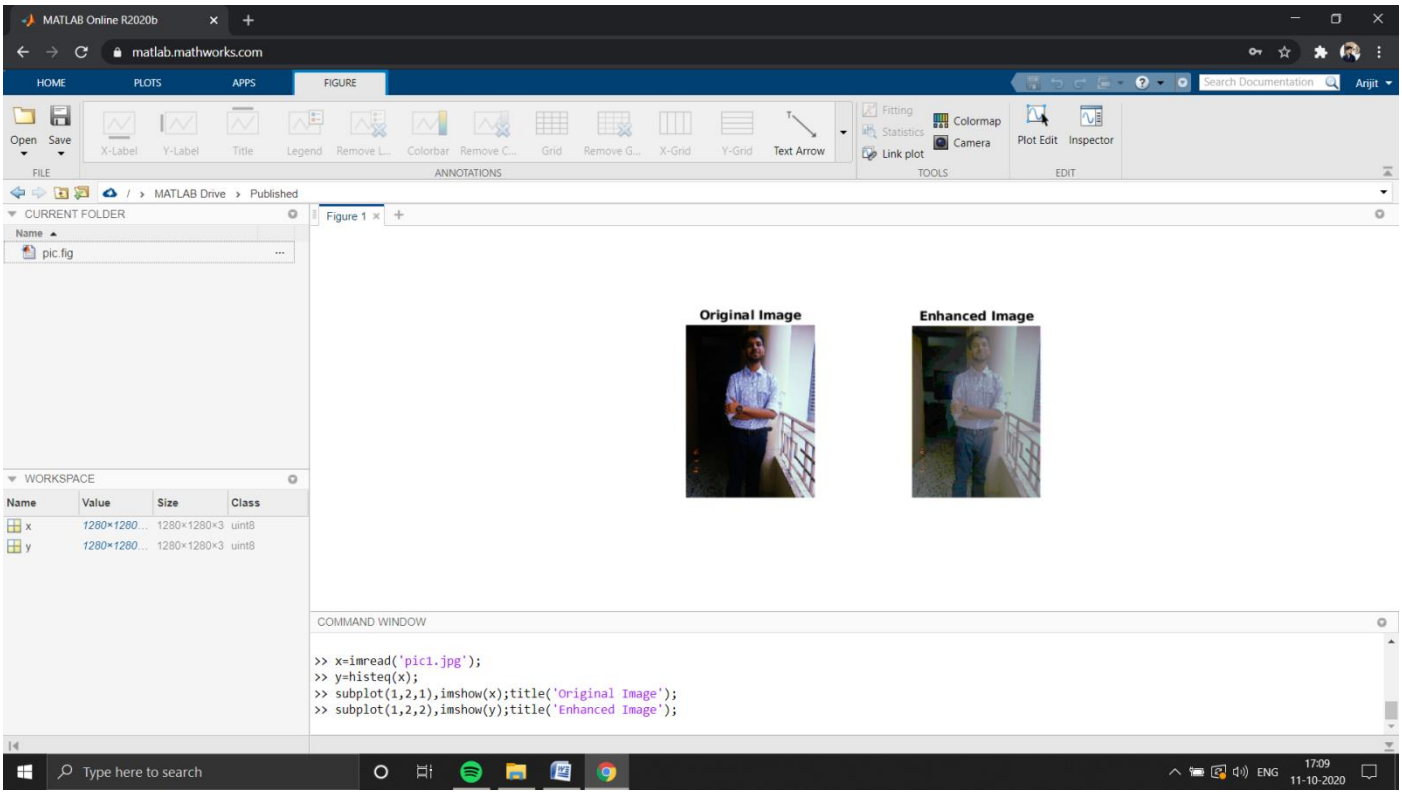
```
x=imread('pic1.jpg');

y=histeq(x);

subplot(1,2,1),imshow(x);title('Original Image);

subplot(1,2,2),imshow(y);title('Enhanced Image);
```

IMPLEMENTATION



AIM : ADDING NOISE,SMOOTHING FILTER AND MEDIAN FILTER TO IMAGE

CODING:

```
a=imread("images.jpg");

b=imnoise(greyimage,'salt & pepper',0.1);

subplot(221),imshow(greyimage);title('Original Image');

subplot(222),imshow(b);title('Noisy Image');

h=1/9*ones(3,3);

c=conv2(b,h);

subplot(223),imshow(uint8(c));title('Smoothing Filter');

d=medfilt2(greyimage);

subplot(224),imshow(d);title('Median Filter');
```

IMPLEMENTATION