

LAB-8

Aim: To perform the following operations in an image. (a) erosion, (b) dilation,

Code:

```
--> S = imread("C:\Users\Diksha Nasa\Desktop\Study Material\IT Workshop  
using scilab\coins.jpg");
```

```
-->imshow(S);
```

```
-->Sgray = rgb2gray(S);
```

```
-->imshow(Sgray);
```

```
-->Sbin = im2bw(Sgray,0.5);
```

```
-->imshow(Sbin);
```

```
-->imhist(Sgray,[],1);
```

```
-->Sbin = im2bw(Sgray,0.353);
```

```
-->imshow(Sbin);
```

```
-->th = imgraythresh(Sgray)
```

th =

0.4140625

```
-->Sbin = im2bw(Sgray,th);
```

```
-->imshow(Sbin);
```

```
--> Sd = imdilate(Sbin,se);
```

```
-->imshow(Sd);
```

```
--> Se = imerode(Sbin,se);
```

```
-->scf();imshow(Se);
```

Output:







