

Submit by:

Hina Batool (BIT21251)

Submit to:

Mam Fouqia Zaheer

Feature Extraction:

Skeletonization using Morphological Operations

Code:

```
% Read the binary image
```

```
BW = imread('circles.png');
```

```
% Display original image
```

```
imshow(BW);
```

```
% Remove interior pixels, leaving only boundary pixels
```

```
BW2 = bwmorph(BW, 'remove');
```

```
% Display boundary image
```

```
figure, imshow(BW2);
```

```
% Perform skeletonization
```

```
BW3 = bwmorph(BW, 'skel', Inf);
```

```
% Display skeletonized image
```

```
figure, imshow(BW3);
```