

```
% ques. 6 Perform 8 bit plane slicing on any image (for grayscale image)
```

```
A=imread('C:\Users\tvasu\Downloads\cameraman.tif');
```

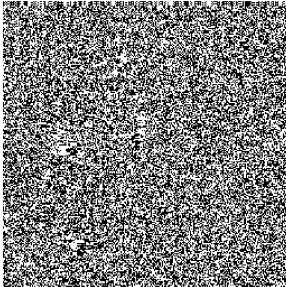
```
B=bitget(A,1);  
figure,  
subplot(2,2,1);imshow(logical(B));title('Bit plane 1');
```

```
B=bitget(A,2);  
subplot(2,2,2);imshow(logical(B));title('Bit plane 2');
```

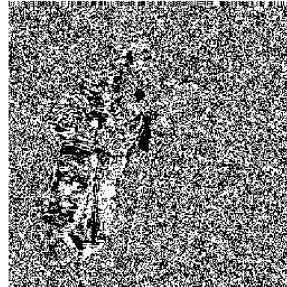
```
B=bitget(A,3);  
subplot(2,2,3);imshow(logical(B));title('Bit plane 3');
```

```
B=bitget(A,4);  
subplot(2,2,4);imshow(logical(B));title('Bit plane 4');
```

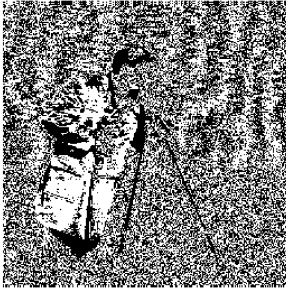
**Bit plane 1**



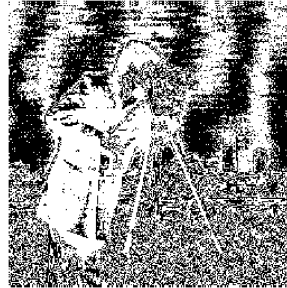
**Bit plane 2**



**Bit plane 3**



**Bit plane 4**



```
B=bitget(A,5);  
figure,  
subplot(2,2,1);imshow(logical(B));title('Bit plane 5');
```

```
B=bitget(A,6);  
subplot(2,2,2);imshow(logical(B));title('Bit plane 6');
```

```
B=bitget(A,7);  
subplot(2,2,3);imshow(logical(B));title('Bit plane 7');
```

```
B=bitget(A,8);  
subplot(2,2,4);imshow(logical(B));title('Bit plane 8');
```

**Bit plane 5**



**Bit plane 6**



**Bit plane 7**



**Bit plane 8**

