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Roll no: 3350

```
clc;
clear;
A=imread('cameraman.tif');
[row,col]=size(A);
subplot(3,3,1), imshow(A),title('original image');
C=zeros(row,col,8);
for k=1:8;
    for i=1:row
        for j=1:col
            C(i,j,k)=bitget(A(i,j),k);
        end
    end
    subplot(3,3,k+1), imshow(C(:,:,k)), title(['Bit plane',num2str(k-1)]);
end
```

