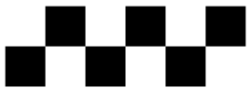
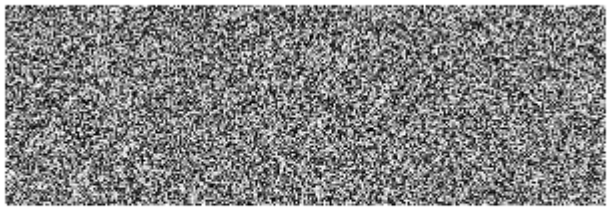
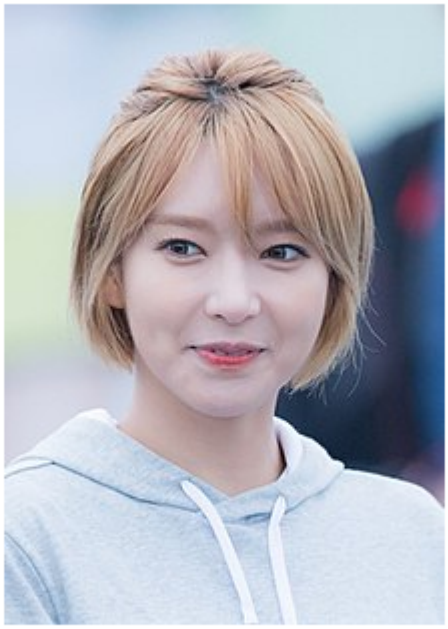
```
clear; clc
n=20;
r=ones(n);
k=zeros(n);
t=[r k r k r k]; z=[t;flip(t')'];
imshow(z)
```



```
z1=rand(100,300);
imshow(z1)
```



```
c=imread('C:\Users\aulasfce1\Downloads\220px-Park_Cho-a,_2016_(cropped).jpg');
imshow(c)
```



```
c1=c(99:139,133:170,:);
imshow(c1)
```

```
cr=c(:,:,1); cg=c(:,:,2); cb=c(:,:,3);
clr=c; clr(:,:,2)=0; clr(:,:,3)=0;
clr=im2bw(clr,.2);
c2r=diff(clr);
subplot(2,2,1); imshow(c);
subplot(2,2,3); imshow(c2r);
subplot(3,2,2); imshow(cr);
subplot(3,2,4); imshow(cg);
subplot(3,2,6); imshow(cb);
```