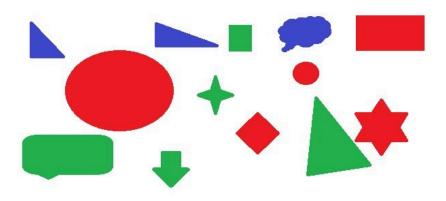
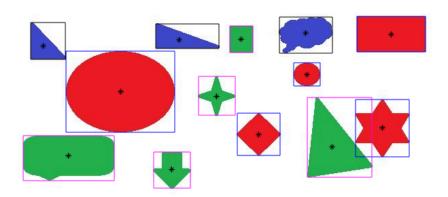
```
%%Akshat Jethlia
                        16ucc102
%%Shrutika Bansal
                        16uec064
clear all;
close all;
%%Finding the Bounding box by seperating r,g and b components;
 counting the
%%number of red, green and blue components
I=imread('fig1.jpg');
I_gray=rgb2gray(I);
figure(1);
imshow(I);
r=I(:,:,1);
g=I(:,:,2);
b=I(:,:,3);
r=imsubtract(r,I gray);
g=imsubtract(g,I_gray);
b=imsubtract(b,I_gray);
b1=imbinarize(r);
b2=imbinarize(g);
b3=imbinarize(b);
c1=bwconncomp(b1);
c2=bwconncomp(b2);
c3=bwconncomp(b3);
figure(2);
imshow(I);
hold on;
stat=regionprops(b1,'BoundingBox','Centroid');
for i=1:c1.NumObjects
   rectangle('Position',stat(i,1).BoundingBox,'EdgeColor','b');
   plot(stat(i,1).Centroid(1),stat(i,1).Centroid(2),'k*');
end
stat=regionprops(b2,'BoundingBox','Centroid');
for i=1:c2.NumObjects
   rectangle('Position',stat(i,1).BoundingBox,'EdgeColor','m');
   plot(stat(i,1).Centroid(1),stat(i,1).Centroid(2),'k*');
end
stat=regionprops(b3,'BoundingBox','Centroid');
for i=1:c3.NumObjects
```

```
rectangle('Position',stat(i,1).BoundingBox,'EdgeColor','k');
plot(stat(i,1).Centroid(1),stat(i,1).Centroid(2),'k*');
end
hold off;
saveas(figure(2),'ans.jpg');
% <<ans.jpg>>
```





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