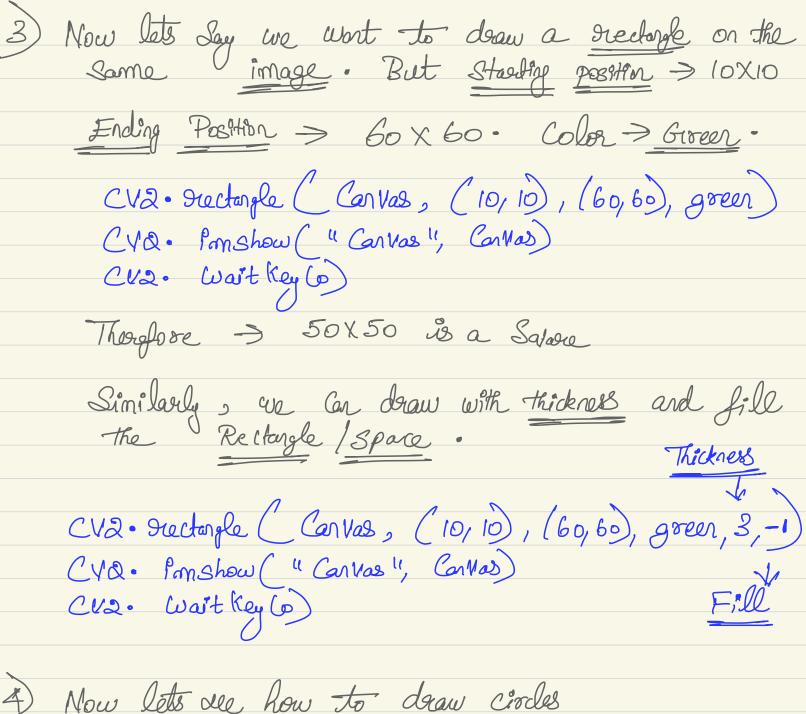
Drawing with Opency
0
How are the Steps
Distiblize over Canvas as a 300 x 300 Pixel image with 3 Charrels Red, Blue, Green with a Black Back ground.
Carvos = np. 30008 ( (300,300,3), dtype = "Wint8")
Now lets draw a diagonal line from Top left to Bottom  Right of Given  B Gt R
CV2. line = (Canvas, (0,0), (300,300), gran)
green = $(0,255,0)$ $CV2 \cdot line = (Canvas, (0,0), (300,300), green$ $CV2 \cdot inshow ("Canvas", Canvas)$ $CV2 \cdot weither (0)$
The line which we draw is by default 1 pixel thick.
Now lets Say that we wort to draw 3 pixel thickness  9 red = (0,0,255)  CV2. line = (Canvas, (300,0), (0,300), red, 3)  CV2. inshow ("Canvas", Canvas) (olor Thickness  CV2. wait key (0)  The above one will draw a line  from top right to bottom left corner
CV2. line = (0,0,255) $(200,0),(0,300),(0,300),(0,300)$
CV2. inshow ("Canvas", Convas) Color Thickness  CV2. wait key (0) The all was a will also a live
from top right to softom left looner



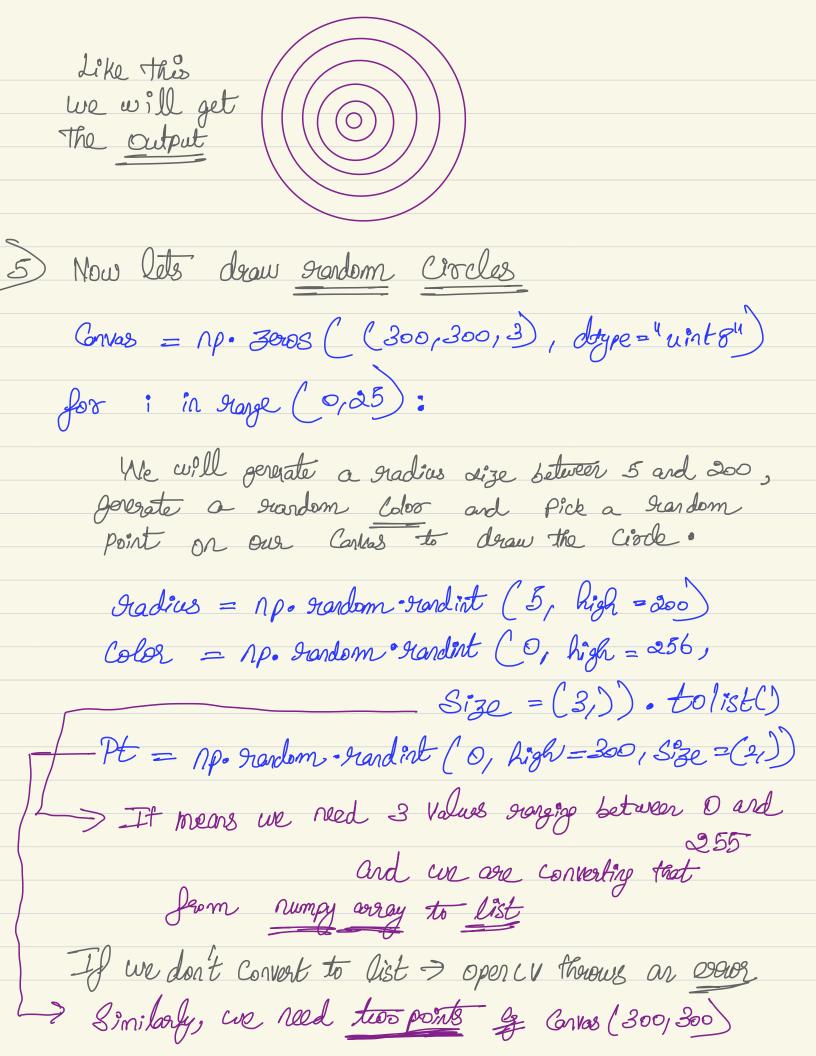
4) Now lets see how to draw circles

as an empty away, then compute the content (x, y)

Co-ordinate of the contes.

Canyos = np. zours ((300,300,3), dtype = "unt8") ( Certer x, Certer Y) = ( Canus · Shape [] //2, Canvas. Shape CoJ//2) white = (255, 255, 256) This is nothing but we are trying to compute the Carter of Co-ordinates Now we have the <u>letter</u> and by using the radies Storting with <u>25 pixels</u> to <u>150 pixels</u> by incrementing 25 pixels, we will be able to draw multiple circles. for en in slarge (0, 175, 25): CV2. ciocle ( Canvas, ( Center X, Center Y), 91, unita) CV2. im Show ("Carlus", Carlus)
CV2. wat key (b) Wher we down like this > we will get it as

Bulls eye affect / Part Board



## CV2. Circle (Carvas, tuple (Pt), nadius, Lolor, -1)

CV2. ins how ( convas! , Convas)
CV2. wait key (o)

6) Till now what we seen was, we work Greating own own Contras and then we work drawing it.

What if we work to draw on a specific image 2.

Tristead of Contras, just pass the image Variable.

Rost everything will be remaining the dame.