Android 2D
cated for a View sub Class you by you will the *
ale so thread I eximit in Arimation Jai which
1) create a new Java class.
e) extend the * View class
3) handle the effor using the super constractor->(context, AttrébuteSet)
H) overvide the inDraw() method: it takes a Canvas Object.
5) we use the canvaseobj to draw any shape canvasobj. draw, v, (~).
Shapes:
1) Rectangle Shape:
C. draw Rect (Left, top, right, Bottom, Paint) C. draw Rect (new Bect F(~), Paint obj)
start(x,y) (150,200) cirt = 2011 les grand alio width   height   height = 500 J1 width = 300 J1 : end point J1 crues in
$\begin{array}{ccc} x = 180 + 300 = 450 \\ \text{(whime end(x,y)} & y = 200 + 500 = 700 \end{array}$
er.com 1 3 kg zyzy yeu
C. drawRect (150, 200, 450, 700,
start ( new Paint()); send, Point
The same of the sa

19.4.	
	Android 2D
م > يرفي المالية ال	* Cayout I Le soie o olies of fall ver vince -
	L. Package Name, class Name 17
	* Paine class: منه وسالة او المشا على بالمح زد مراح على المسل عان بالله ن على منا المسور ويدلى المال عان بالله ن على منا
	( jab ) " mer 200)
	2) Circle shape:
(xy)	C. draw Circle (x, y, radius, Paintobj);
radi «	3) Oval Shape:
	C. drawOval(newRectF(~), PaintObj); C. drawOval(Lest, Top, Right, Bottom, PaintObj);
	4) Triangle shape;
	(500,100) 500 P X 60 0 PO
	600 go as 65)
—www.madisonpap	er.com 705 600 700 015 [1] (X,y) (x,y) (x,y) (x,y) (x,y) (x,y) (x,y)
	X = 500 + 350 = 850 $Y = 100 + 200 = 700$ $X = 500 - 350 = 150$ $Y = 100 + 600 = 700$
Statistics of the same property	600 900

	Android 2D
- (	to draw a Triangle we need to use the path class. I will age method & us of
1)	create a Path Obj Path Pt = new Path (13
2)	draw the head point using move TO() Pt. move To (500, 100);
3)	draw the two other point using LineTo() Pt. lineTo(150, 700); Pt. lineTo(850, 700);
4)	to getBack to the head Point use CineTo! Pt. lineTo (500, 100); or just use the close() method Pt. close();
5)	Line Shape:
6)	C. drawline (startPointx, start Pointy end Pointx, end pointy Paintobj);
(	c. drawPoint (x,y, Point)
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Android 2D
71 1 -
7) Arc shape:
cu que rectargle
Rect F, startangle, Sweepangle centerusage, paintObj.
80 - RectF > clistre & clistre & com and of the cost of the period of the cost
- Sweep Angle > (mon) and position of series of Bool
rebul vites
www c.drawText ("msg", X, y, Paintobj);
Paintobj. setTextSize (-52)
: text 11 हुए हिंदी दिंदी कि अल्पी -
1) create a Typeface obj or use anonimous
2) use this method: PointObj. setTypeFace (TypeFace, create ()); TypeFace FontFamily, Those style Style RAD
B)
disonpaper.com ————————————————————————————————————

Android 20 9) Image shape: dass Il & one solo add any Image to dravable file are use the method draw BitMapa c. draw Bitmap (Bitmap Obj. X, JULY Rinty 3) we need to create a Bitmapobj to atterted the image coit Des its Bitmap B = BitmapFoctory. decode get Resources (), R. drawaher Animation · Class Il somo le ogéi s) n est cite & 1 cas (1 عن الله عنه عن الله الشك على بدك روحى. on Draw 1 methods be in 1 method 2 jein les des who is recorsion (Reprise to a stein invalidate (): methods - well to say was the zuo (ta z) mothod) ( Sho 2) to 6 Ex ( a) 5) Ex m c 50 co : lisian lil Cient le mer ( Quie بند جون الوقى call & is exception low also method in & bo of call a . die zil Interrupted Exp. cul

	Android 2D Animation
	30 k jani 10 sil (4/13 fall sque wai (40 -
	estheight(); (seg (so je abun, if Ige (Ppo
	Android 2D Animation control
JON GYZ	1) cortrol animation with Buttons:
1 (52)	1) create a linearlayout above your drawing Panile.
Butters 1 (1)	2) create your Buttons with (id).
- Juliu (x2 (3	3) create an action listener in the main Activity class to each Button.
	to edit the shape direction we need to create a method set dir().  or you can set the direction var  as a static far and change it  By the class name.
	olite Uls View JI class iso obj (Jai lin setdire) Il Enter -
ازاد الأسور عازاد الأسور معادل و معر	2) control animation with KeyBoard i drawing Pantis 1) override the onkeyDown() method
· Cistener we	P code il Keyevent a Key code ip gir nethodil 66. CogCat il pais seize Jenia ansi Oli jil (eli je)
—www.madisonpape	

	Android ED Animation control
$= \frac{1}{10000000000000000000000000000000000$	le faces suble i gri la bij bale focas il yéi sil
Ces+=21	1) go to the xmx sile and give our draw (id) 2) go to the main and create on obj of our drawing class using the id 3) use the method drawobj. set Focasable (true)
	2) use an istatment checking the Keycode and changing the directions Based on it. uga or we can use (Keysvent, KeycoDE_DPAD_ all of these or constants of the Keycodes.
aw 11	3) control Animation with screen Touching:
خلي الاجموع	1) override the onTouchEvent method
	8) use the get X(), gety methods  Ea get the Touching points  Mobion Ferentobj. get X(): these methods  Motion Eventobj. get Y(); returns florte.
	3) use the four conditions to change the directions of the shape that moves.
16.1	
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ابسط مل مو ان نقارن قیم ایم در ان کاری قیم الا . الای مح الای مح الای مح الای مح الای مح الای .

कां करण १८ में हिंदू hightlight our of 18 igu 18 - 40 ( 300 De Goi - mix) \*(dickx, clicky) X Xالنظ الما في والطط العاموري (x,y) Où ospo aio بى للىسى. \*(clickX3 click y3) - Tolick Xgolick 4) (X > clicKX3 (x+200, y+200) EdickX& clicky)

M< clicky2)

Bigs Pacman 11 241 (8) \* های المالی بر بیاد اعود اعود ا ما الله بسط منى كل الما ما كان