Processing Functions

Arrous	appond(array itom)	Appendition to the array
Anays	appenu(array, item)	
Arrays	arrayCopy(from, begin, to, begin, num)	
Arrays	arrayCopy(from, to)	
Arrays	arrayCopy(from to num)	
Allays		
Arrays	concat(a, b)	Concatenate array b onto array a
Arrays	deleteElement(a, begin)	
Arrays	expand(array, moreElements)	Add moreElements to the length of the array
Arrays	reverse(a)	
Allays	ievelse(a)	
Arrays	shorten(array)	Get rid of the last element of array
Arrays	sort(a)	
Arrays	splice(a b index)	
Arroug	subset(a bagin num)	
Arrays	subset(a, begin, num)	
Arrays		
Color	blendColor(pi1, pi2, mode)	mode = BLEND, ADD, SUBTRACT, DARKEST, LIGHTEST, DIFFERENCE, DODGE, BURN, MUTIPLY, EXCLUSION, SCREEN, OVERLAY
Color	color(c)	Set the current color to the color variable c
Calar		
Color	color(gray)	Set the current color to (gray, gray, gray)
Color	color(h, s, b)	Set the currnt color to (h, s, b) if in HSB space
Color	color(r.g.b)	Set the currnt color to (r. g. b) if in RGB space
Color	colorMode(mode)	Set the color specification mode to RGB or HSB
000		
Color	lerpColor(c1, c2, t)	Linearly interpolate two color variables
Color		
Drawing	fill(c)	Fill using the color c
Drawing		
awing		
Drawing	noStroke()	Don't do any outlining
Drawing	stroke(c)	Outline using the color c
Drawing	strokeWeight(w)	Thickness of the outline
Drawing		
Drawing		
Keyboard	keyPressed()	Gets called when a key is pressed what got pressed is in the variable named "key"
Keyboard		· · · · ·
Neybourd Neybourd	-h-(f)	
Math	abs(f)	
Math	acos(c)	Arc whose cosine is c (returned in radians)
Math	asin(s)	Arc whose sine is s (returned in radians)
Math	atap(t)	Are whose tangent is t (returned in redianc)
IVIALII	didii(t)	
Math	atan2(y, x)	Arc whose tangent is y/x (returned in radians)
Math	constrain(kow, high, f)	Return f, but limited to the range between low and hugh
Math	$\cos(r)$	Cosine (angle is in radians)
Math	degrees(r)	Convert a number of radians to degrees
Math	dist(v1, v2)	Distance between 2 points
Math	exp(f)	Raise e (2,71828) to the f power
Math	float(i)	
Math	noat(T)	
Math	int(f)	Truncate f to an integer
Math	lerp(low.high.t)	Linearly interpolate two values
Math	log(f)	Natural logarithm
Wath		
Math	mag(v)	Magnitude of a vector
Math	map(input, lowin, highin, lowout, highout)	Lineary map the input variable from the range [lowin,highin] to [lowout,highout]
Math	max(f1 f2)	Maximum of the two numbers
	(11, 12)	
Math	min(f1, f2)	Minimum of the two numbers
Math	pow(f, e)	Raise f to the e power
Math	radians(d)	Convert a number of degrees to radians
Math	round(f)	
Math	round(T)	Round i to the hearest integer
Math	sin(r)	Sine (angle is in radians)
Math	sa(f)	f*f
Math	sort(f)	Square root (f must be > -0)
Math	sqrt(i)	
iviath		
Mouse	mouseDragged()	Gets called when the mouse has been moved with one or more buttons down
Mouse	mouseMoved()	Gets called when the mouse has been moved with all buttons up
Mouse	mousePressed()	Gets called when a mouse button is pressed what not pressed is in the variable named "mousePutton"
widuse		la est canca when a mouse buttorn's pressed what got pressed is in the Variable flamed. mouseButtorn
Mouse	mouseReleased()	Gets called when a mouse button is released
Mouse		
Printing	print(s)	Print the string into the console
Drinting	println(c)	Drint the string into the concelle adding a return
		rimit the same into the collisole, dualing a feturit
Printing	status(s)	Print a string into the status area
Printing		
Randomness	noise(f)	
Randomness		
Randomness	noiseDetail(??)	
Randomness	noiseSeed(??)	
Randomness	random(low, high)	Return a random number between low and high
Pandomnoss	randomSood(c)	Sat the random number sequence to a different nation
		Set the random number sequence to a universit pattern
Randomness		
Setup	background(gray)	Set the background to (gray, gray, gray)
Satun	background(r.g.b.)	Set the background to r g h
octup o t		
Setup	backgrund(c)	pet the background to the color c
Setup	draw()	The function that gets called over and over to draw your scene
Setun	exit()	Exit the Processing program
Cature	from a Data (fr.)	Cat the article streak program
Setup	TrameRate(fr)	Set the refresh rate to attempt to achieve
Setup	loop()	Starts automatic calling of draw()
Setup	noLoop()	Stops automatic calling of draw()
Sotup	noSmooth()	
setup		Set the display antiandshing to on
		ter en al construction attende conflication de la construction

Processing Functions

Satura	cize(w, h)	Set the size of the graphics window to w y b pixels
Setup	SIZE(W, II)	Set the size of the graphics window to with pixels
Setup	size(w, h, renderer)	JAVA2D, P2D, {3D, OPENGL, PDF
Setup	smooth()	Set the display antialiasing to on
Setun		
Shanac	arc(ay ay ry ry th1 th2)	Draw an arc with contor (or or) with radii (or or) from angle that to angle that
shapes		Draw an arc with center (cx,cy) with radii (rx,ry), non angle this to angle this
Shapes	beginShape()	Begin an arbitrary shape
Shapes	box(b)	Draw a 3D box with dimensions b x b x b around the origin
Shapes	box(I, w, h)	Draw a 3D box with dimensions I x w x h around the origin
Shanes	(100) $(100$	Draw a Catmull-Rom curve
shapes	cuive(x0, y0, x1, y1, x2, y2, x3, y3)	
Shapes	ellipse(cx, cy, w, h)	Draw an ellipse in CENTER mode
Shapes	ellipse(cx, cy, x/2., y/2.)	Draw an ellipse in RADIUS mode
Shapes	ellipse(ulx, uly, Ilx, Ily)	Draw an ellipse in CORNERS mode
Shanes	ellinse(ulx ulv w h)	Draw an ellipse in CORNER mode
Changes		
Snapes	ellipseiviode(m)	CORNER, CORNERS, CENTER, RADIOS
Shapes	endShape()	End an arbitrary shape
Shapes	line(x0, y0, x1, y1)	Draw a line
Shapes	point(x, y)	Put a dot at (x, y)
Shapos		
shapes	quau(x0, y0, x1, y1, x2, y2, x3, y3)	
Shapes	rect(cx, cy, w, h)	Draw a rectangle in CENTER mode
Shapes	rect(cx, cy, x/2., y/2.)	Draw a rectangle in RADIUS mode
Shapes	rect(ulx, uly, llx, lly)	Draw a rectangle in CORNERS mode
Shanes	rect(ulv.ulv.w.b)	Draw a rectangle in CORNER mode
Channes -	rect un, ury, w, ir j	
Snapes	rectMode(m)	LUKNEK, LUKNEKS, LENTER, RADIUS
Shapes	sphere(r)	Draw a 3D sphere with radius r around the origin
Shapes	sphereDetail(slices, stacks)	Set the number of slices and stacks to use when drawing a sphere
Shanes	triangle(x0 v0 x1 v1 x2 v2)	Draw a triangle
Changes	(1) angle(x0, y0, x1, y1, x2, y2)	
Shapes	vertex(x, y)	specify a vertex in the outline of the arbitrary snape
Shapes		
Text	loadFont(font)	Load and assign the given font
Text	text(s x y)	Draw the text "s" on the screen at (x y) with the current fill color
Text	text(3, x, y)	Cat the Centres of the Serverse for the Carteria microion
Text	textFont(theFont)	Set the fort as the current font
Text		
Textures	loadImage("filename")	Read and assign an image file to a Pimage variable
Textures	texture(??)	
Toyturos	texture(11)	
Textures		
Textures		
Time	day()	Current day of the month: 1 - 31
Time	delay(ms)	Stops the program for ms milliseconds
Timo	hour()	Current bour of the day 0, 22
Time	millis()	# milliseconds since the program started
Time	minute()	Current minute of the hour: 0 - 59
Time	second()	Current second of the minute 0 - 59
Timo	vear()	
	year()	
Time		
Transformations	rotate(r)	Perform a 2D CW rotation of r radians
Transformations	rotateX(r)	Perform an X rotation of r radians
Transformations	rotateY(r)	Perform a Y rotation of r radians
Transformations	rotate7(r)	Deferm of relation of relations
rialisiormations		
Transformations	scale(sx, sy)	Scale by (sx,sy)
Transformations	translate(tx, ty)	Translate by (tx,ty)
Transformations		
Variables	frameCount	Current frame number
variables		
variables	HALF_PI	π/2.
Variables	height	Screen height in pixels
Variables	Infinity	∞
Variables	key	The keyhoard key that is pressed
Variables	hey Cada	Madilia laur
Variables	keyCode	Modifier keys
Variables	keyPressed	true if a keyboard key has been pressed
Variables	mouseButton	LEFT, CENTER. RIGHT
Variables	mousePressed	true if a mouse button has been pressed
Variables	maure V	
variables	mousex	
Variables	mouseY	The current mouse Y position
Variables	PI	π
Variables	OUARTER PI	π/4.
Variables	TWO PL	77 ···
vaildules		
variables	width	screen width in pixels