ASSIGNMENT-7.

outlook	Temperature	Humidaly	windy	hourstoplay
Rainy	Hot	high	False	25
Rainy	Hot	high	True	30
overcast	Hot	high	Folse	46
sunny	them-	high	False	45
sunny	cool	hormal	False	52
Sunny	cool	normal	True	23
overcast	cool	Lamon	True	43
Painy	blim	high	False	35
Rainy	cool	normal	False	38
Sunny	mild	Lamon	False	46
Rainy	- mild -	Lawran	true	48
ovencast	mild	high	True	52
vercast	hot	hormal	False	+4
sunny	mild	high	True.	30

Step 2:- calculate spicvinean

+30 + 46+ 48 +25+24

557 _ 39.78

SD = ECX-mean) S.D. = 9.67 CN = SP X100 = 9.67 X100 = 24.30 mean 39.78 steps! Dataset is split on disdount attributes the SD of each branch is calculated SD (attr) = En (branch) SD (branch) and result as NSDR (standard deviction SDR IZ/SD. SD (atto) Din Reduction) SA SINTSD (Larget) = 19in 67 ming outlook Lancon ton marino Spir blin proces cv n WW 50 Painy 35.2 8.7 24-7 5 5/14 overcest 46.25 4.03 8.72 4 4/14 Sunny 39.2 12.2 31.0 5 5/14 187. P.S. C. F34

= 8.59

(doothook) = soltarget) - soloutook)

= 9.67-8-59 = 1-08

Temp'.

-		A STATE	the same of the sa		
187	Mean	80	CV	n	w(n)
hot	36-25	10-34	30-6	4	4/19
Cool	39	12-14	31.1	4	4/14
blin	42-6	3.38	19-65	6	6 (14
		FF.P	2		

labora Jack & en Lerchiene

Humility;

1 23	mean	SO	CV	~	wa)
high	37-51	10-4	26.92	7	7/14
Lambon	42	4.4	27.4	7	7/14

SP(humidity) = 7 x 10 -11 + 7 x 9.14 - 9.77 DR (humidity) = 9.67-9.77 = -0.1

Windy:

	mean	SD	CV	2	wa)
	37,6	11-6	30-8	6	6/14
False	41.3	12.8	20.3	118	8/14

50 (windy) = 6 ×11-6 + 8 × 8-41 5:1.0 0 / BOM 28.8 0.57. = 9.77

(502 (windy) = 9.67-9.77:= -0-1

- P The value having highest SPR is Considered as soot node (ie., decision

siestide reiterinest prirestion & cris wil, or cris (neq)

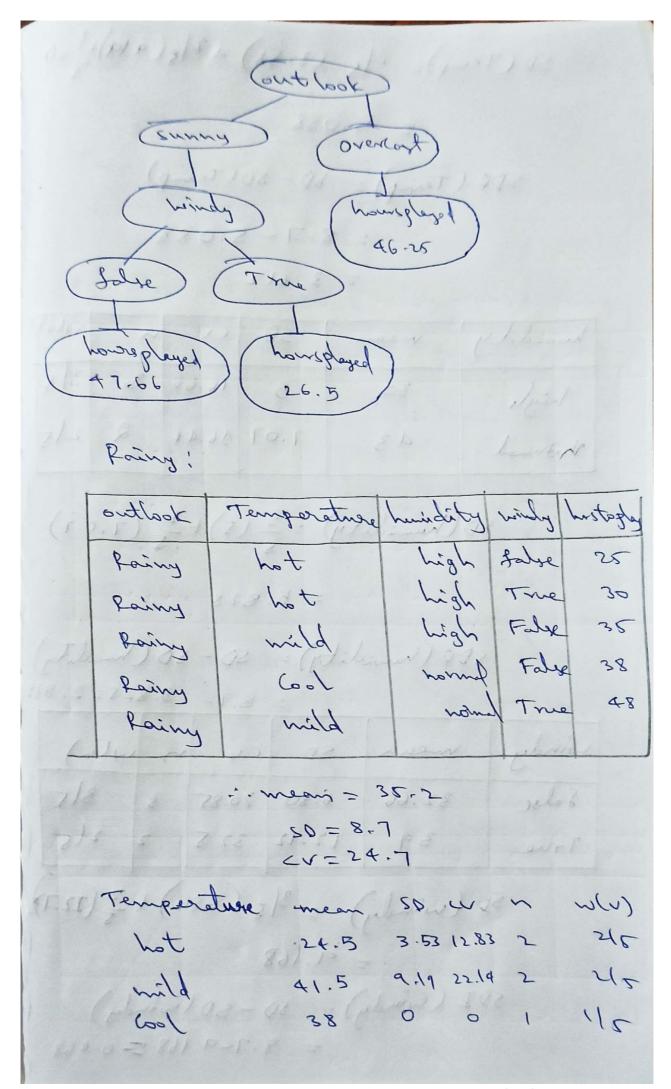
(Hook)

* overcat has co of 8%. whichis her than threshold value, so, we tilgs realtent too been

	tout on the same of the same o							
	Covercest)							
	hours played							
	CALLERY OF THE STATE OF THE STA							
-	que med	to 81	d show tilg	unny &	raing			
	Southook	Temp	humilidity	rindy	has placed			
	sunny	Blin	hoid	Solve	45			
	sunny	Cool	Lamon	Salse	32			
12/2	Sunny	(00)	Lauran	True	23			
- /8	Sunny	hald	James	She	1.46			
1/6	Sunny	blin	high	Tre	30			
1	and up 218	= mean	39.2	May 7 42				
		SD = 1						
	DE E	CV=		w Me				
	temp:		199					
IT		mean	SD CV	7	w(v)			
	blen	40-3	8.96 22.	23 3	3/2			
	cool	31.5	20,80 54.	66 2	2/2			
	80C temp)= 3	(8.96) +2	(20.50)	=13.576			
1.1	= 12.2 - 13.576 = -1.27.							

humid	mean s	p w	h	M	(II)		
high	31.5 10	.6 28	.26 2		15		
lambar	40.3	5.80 3	1.96 3		3/5		
SD (humid) = 2 (10.6) + 3 (16.86)							
		.4 (10.6)					
	Philipping = (3.42			- /		
so Ch	umid) = 12		¢2 = 1	1.2	2/		
windy	mean	SD	CV	~	(v)~		
false	147.66	3.78	7.94	3	3/5		
true	26.5	4.94	18-65	2	2/5		
www) as	dy) = 3/5(7 (85.5)	2/5/4	.94			
	= 4				-//		
SD(w	indy) = 19		23=7.	97.			
them check for highest SDR							
while of	In outlook, among temp, hundsty of winds winds all which he will so sules a god which						
There	SDR = 7 Sheck So						
both	True & So	lor sol	isby (WV	alue!		

Scanned with CamScanner



Sp (temp)= 2/5 (3.53) +2/5 (2/0/4/x0 SPR (Temp) = SP - SD (Temp) = 8.7 - 5.088 = 3.612

huidity	maan	50	CV	7	May
high	30.	5	16.66	3	3/5
Lawsy	43	7.07	26.44	2	2/5

50 (humidaty) = 3 (5) + 2 (7.07)

= 5.828 pmg

sDP (hundity) = SD - SD (hundity)

- 87- 5.825=2.872

windy	mean	SD	CV	~	(WW
Solse	32.66	6.80	20.85	3	3/5
True	39	1272	32.5	7	2/5

50 (mindy) = 3/5 (680) + 2(12.77) = 9.168 502 (mindy) = 50 - 50 (mindy)

Johns Temp, huidity & windy SDP value Es high for Temperature (ie., 3.612) Then, check for an value of hot, wild & wol satisfy in value.