Teacher's Signature \_\_\_

return tue

	Jovita, 4MT17(504) ate_	27-10-2000
ot. No. <u>3</u>		ge No. <u>6</u>
from paint import posint		
tree = id3 (df-tennis, 'Play-Tennis paint ("In The Resultant decision	, attribute-names)	
paint ("In The Resultant decision	tree is : In)	
ppent (tree)		
,		
	1	9.
	Tercher's Signature	

## Output

['outlook!, 'temperature!, 'humidity', 'wornd']
outlook IG: 0.2467498197744391
Temperature IG: 0.02992225658954647

Humidity IG: 0. 15183550136239136 Wind IG: 0.04812703040826927

Temperature In: 0.01997309402197489 Humidity In: 0.01997309402197489 Wind In: 0.9709505994546686

Temperature IG: 0.5709505944596686
Humidity IG: 0.9709505944546686
Wind IG: 0.01997309402197489

The resultant decision tree is:

frontbook!: frovercast!: 'yes!,

'Rain': L'wind': L'strong': 'No', 'weak', 'yesis],
'Sunny': L'humidity': L'high': 'No', 'Normal': 'yes'ss}