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## Assignment - 03

ROII NO: 43236

Aim: - To study and implement the SHA-1 (SPrace Lasting Algorithm)

Theory: - The national institute of standard
the churchygy along with NSA developed
the sprene hosting algorithm. SHA
works with any input message that is
less that see limits in length.

SHA Parameters:

SHA-1

ı	message	54A-1	SHA-256	SHA-384	SHP-512
	digital size				
	4	100	25 6	384	512
	resson	264	(264	(2120	- W.P
	512e		(2-	(2	(2128
	Blockairo.	512	- 512	1029	1024
	word size	3~		65	
ı	coro sice	,~	3 2	6 '	65
	NO of	96	64	50	80
	carolius				
					1

Steps for SHA: - Padoling: first step is to add paddling to the digital muscose in 64 bit, shoul of multiple of siz, poolding o oluny added - Append Length - The schigth of message excluding the length of models is colculated and appended at - Divide the input into 12 lit block the Input mesent is now advided into Block early of length 512 lists - Inflate elloriate & chairs vonabus A to E one introlizied # conclusion :-In this ossignment are home Studied and implemented the SHA-1 algorithm