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Assimment of	
-Assignment-06	
· Title:-	
Cl	
Calculate the message digest of text	usmg
SHA-I algorithm in JAVA	
· ·	
· Theory:-	
- SHA Stands for "secure hoshing algorithm.	
- SHA is a modified version of MDS & wed	for
hashing algorithm shorters input data into si	naller
form that Con't be understood by using	bihosel
operations, modular additions of comparison	1 0
CHA works to which wasks to such a war	oven
- SHA works in which works in such a way	460
if a single character of message changed it will generate a different has.	1100
it will generate a different No.	
- Exi,	2100
hashing of two similar, but different in the Hearen & hearen is different.	11633476
i.e Hearen 4 heard is different.	
[100,00] > [40,00 ff] -> 06b73 bd7b	3692
Hegren - Hosh fr -> 006/3 6076 7860a ed800	
4561b fo@80	
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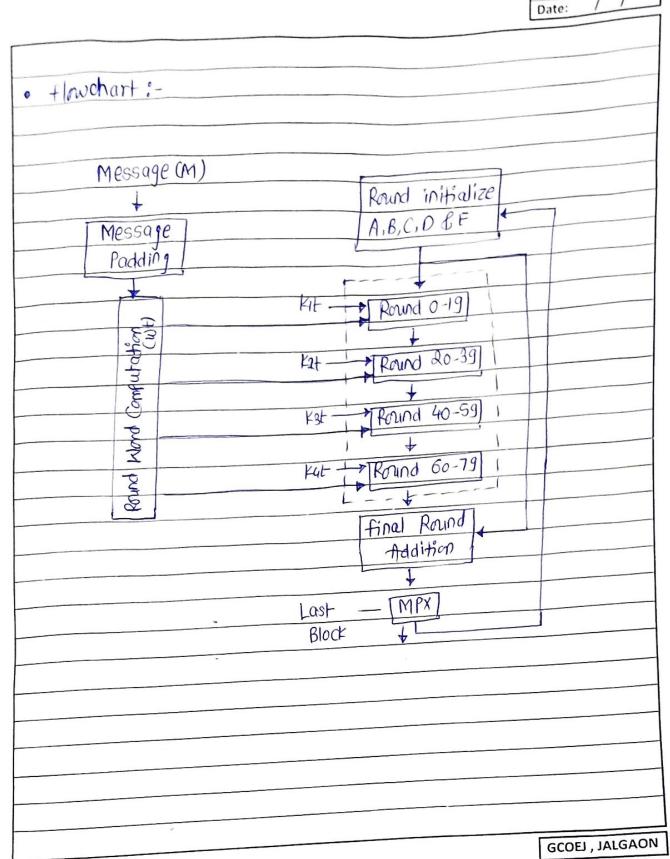
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hearen Hath fr	66dag fod&d 3d38F	
	34770 014C3 8276a	
	64943 a 5365	
- SHA-1 is a cryptographic ha. an input of produces a 160- This host raise is known or message diget is usually then hexadecimal no which is 40 - To Calculate Cryptographic han Message Digst Class is used,	in for which take	
an input of produces a 160-	-bit has rake.	
- This host reduce is known or	message diget. This	
message direct is usually then	rendered as a	
hexadecimal no which is 40	digit long.	
- To calculate Cnyptographic has	hing ralue in Jara,	
Message Digst Class is used,	under package	
Jara. security.	CAL COLOBY a mobile	
- Message Digest Class of provide hash raise of text as follow	5 tollowing cryptographic	
	ν;	
MP		
Mps		
SHA-1		
SHA - 244		
SHA-256		
SHA - 384 SHA - 518.		
V and P - a	in stetic method	
of the state of 11 11/ed, to	Convert the resultant	
- BigInterper class is a signum byte array into signum	representation.	
Dyrc all ag		
	GCOEL IAI	CAOI

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· Algorithm :-
Step 1: - Oreate a Message Diget object
- The message Digest class provides a method
name get Instance()
- This method accepts string ranable specifying name or algo to be wed & returns a
name or algo. to be wed & returns a
Message Diget object implementing specific
alp.
· step2: - Pass the data to Oreated Mossage Diget
object
- After Oreating message digest object, you
- You Can do so using update () method on
- You Can' do so wing update () method or
Metrade Didentes Gan-
- This method accepts abyte array
representing message of add it to above
Created Object
step3:- Menerale message ayest
step3:- Generale message dijest - You can generale message dijest using dijest () method od Message Dijest Class this method computes how to on current
diget () method od Menagelyger Clan
this method computes how the on current
obj. & returns msg digest in ferm
of byte array.

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· Conclusion:	Roll No.
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Successfully ne had studied the man	
successfully. The had studied the STA-1 al	agrithm
	-0.777117

=======================================			Date: / /
Hence			
Hence, use successfully.	had studied	the our	
wruly.	151100	1110 91/1-1	algorithm
A 10			
			•
			•

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