	Name - Sansbruti Sachin Chamble
	Std - SyB-fech. Div-A
,	Roll No -9
	CLF Assignment-1 (Unit 1)
	And the state of t
31	Define System Software and application Software.
	Explain their roles in forensic computing, providing
	relevant examples.
$\rightarrow$	1) System Software -
,	This refers to essential programs that manage hardware
	and provide a platform for application software
	Examples ? ocluding operating Systems (windows, ) inux):
	utilities and duivers.
11	Role in forersic computing = Investigators rely on OS
. 1 1	Jeatures (ey, logs, registry, file System) to entract
,	Josensic enclonce.
	11) Application Software -
	These are programs designed for specific tasks, such
	es word processing or forensic analysis 7001s.
	Examples including Encase, Autospy and FTK
	( forensic Toolkit)
1	Role in lovensic Computerio - Societad
	tools analyse digotal outility loke delate
	Role in forensic Computing - Specialized forensic tools analyse digital artifacts like deleted files, network logs and malware:
	To the state of th
-	

## K. K. Wagh Institute of Engineering Edu. & Research / Polytechnic, Nashik.

		o K. K. Wagii III		
J.D. Compare law level and high-level programming languages. How do they influence forensic investiga				
9.2	Compare	Low lever that influer	nce forensie investiga	
	-tions, es	penally in malware o	0	
			High-level	
	Feature	Inv-level	rlight levol	
t		Languages	Languages	
4	2000	in the day	All	
	Definition	Close to hardware,	More abstract, casier	
		requires direct.	to read woute.	
		memory management.	and allowed and all offer in	
	Examples	Assembly language,	Python Java,	
a la la	William .	C-programming.	C++ of look	
	Execution	Faster, directly	Slightly slower due	
	Speed	Poteracts with hord.	to abstraction.	
	Usein	Often used for .	Used for scripting-based	
	Malware	sootkits, key loggers.	malwore (ég. python bots)	
	1-10mbee	meg angula	pymon Bos)	
	4 00	n Forensic Investigations-		
	Influence o	1 Prensic Savesti ganora	0 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	· Low level analysis - Reverse engineering assembly  Code in malware helps determine its functionality.  · High level analysis - Analysing scrupts ?			
	Code in malwave helps determine its functionality.			
13	Migh level analysis - Hnalysing Scrupts ?			
	gransomwore or phishing attacks.			
	ACQ. 1 0.51 200 37 200			
	Example - A forensic expert decomplies a			
	Example - A forensic expert decomplies a malwore sample in C to condenstand how it modifies system segistry entries.			
	modelier	Sustem Registry	ntues.	
	- Villa	. 0		
			· 公司· 图图图图图图图图图图图图图图图图图图图图图图图图图图图图图图图图图图	

K. K. Wagh Institute of Engineering Edu. & Research / Polytechnic, Nashik - 3 How do computer hardware and Saftware interact in digital forencie investigation. I provide an example where forensic analyst con must consider both the aspects.

Forensic investigations require both hardware and Software to extract oridence. · Mardwore Considerations: · Hord druves Store logs and deleted files.

· RAM analysis can reveal running processes. · Software Considerations: Elle System analysis (NFTS, FAT) helps track le modifications. · Logs from 05 and applications assist in tracking Example - A forensic analyst ? westigating a cybercrime.

must retrieve data from an encrypted 9SD ising
forensic took like FTK Emager while considering
the SSD's wear - leveling feature. &4 Explain the role of an DS in computer forensice How do different Os structures impact forensic racon An Os manages System resources and fevrensic Investigators analyze It for enidence. Roles in Jorensic 
· Collects logs & windows Event logs, Linux

Syslogs):

