DAY 81 - 100 DAYS VERIFICATION CHALLENGE

Topic: UVM Basics

DAY 81 CHALLENGE:

- 1. What is UVM? What is the need if UVM?
- 2. Why is UVM considered as a Methodology & not a Hardware Description Language?
- 3. What is the difference between SV & UVM?
- 4. Is UVM independent of System Verilog?
- 5. What are the disadvantages of UVM Methodology?
- 6. Draw the UVM testbech & explain each component with Syntax & the methods used:
 - i. Sequences
 - ii. Sequence
 - iii. Driver
 - iv. Monitor
 - v. Agent
 - vi. Env
 - vii. Test
 - viii. Scoreboard
 - ix. Subscriber

	Antigogi 2024	Date Page	
	Day 6		
15000	Topic: uvm Basics		
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5010	what is uum ?	The common state of the	
	Dum - Universal VERICEOUS TO	need if Uum?	
100	Bosed on System Verilag loss a methodology		
•	its not a language an its	O C CHANGE OF SERVICE	
	that define several base class	n . it is standoutstand methodology	
	bum is a well defined	181	
	verification Components & object arredy available using them we can build a verification		
claye	we can build a positions	alredy available. Using them	
	1 10-011	DUIOT MONT	
	COSC COSC OS	Mackage	
	by e	xlending from the already	
	available base class.	one prigological trais	
Sol ^o @	sol D why is our considered as a methodology of not a Handware		
	- 0	a methodology & not a Handware	
		of audalens and a strategy	
	that is built on top of sy	stom Veriles land a Class (boary)	
	3 201 57 59	longage.	
Soing	O what is the difference Between, sv & uvm?		
	System Verslag Test Bench	uum Test Bench	
	10 No Base classes	O Base classes are present	
	1 we use class overviele conopt		
	to oversicle the components	method to overside the Components	
	10 No Configuration oil	(11) Configuration OIB set /get methods	
	The straight of the straight o	are used to present.	
	@ Components are connected using	@ Component are connected wing	
	mulbox and queue.	tim and analysis posts.	
	© No phases	O phases are present to provide	
		sunchronization Atw various	
	DE ENTRE DE LA CONTRACTION DEL CONTRACTION DE LA CONTRACTION DEL CONTRACTION DE LA C	Components used in the testbench. Reporting mechanisms helps to debug faster.	
	10 No Reposting mechanisms.	Reporting mechanisms helps to debug	



