

	<p>following values coming one after another and show all the steps of insertion.</p> <p>10, 50, 26, 13, 17, 24, 31, 3, 29, 42, 9, 62</p>																																		
3.	<p>a) Explain what you understand by serializability of a schedule?</p> <p>b) Find out all possible conflict equivalent serial schedules from the given schedule below and show the probability of getting a valid serial sequence when the total possible serial schedule here is the factorial of total number of transactions.</p> <table><tr><th>T1</th><th>T2</th><th>T3</th><th>T4</th></tr><tr><td></td><td></td><td></td><td>R(A)</td></tr><tr><td></td><td>R(A)</td><td></td><td></td></tr><tr><td></td><td></td><td>R(A)</td><td></td></tr><tr><td>W(B)</td><td></td><td></td><td></td></tr><tr><td></td><td>W(A)</td><td></td><td></td></tr><tr><td></td><td></td><td>R(B)</td><td></td></tr><tr><td></td><td>W(B)</td><td></td><td></td></tr></table>	T1	T2	T3	T4				R(A)		R(A)					R(A)		W(B)					W(A)					R(B)			W(B)			<p>1</p> <p>6+2</p>	
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4.	<p>Consider an extendible hashing scheme for the given values below. Assume that the bucket capacity is 3 and the initial local and global depth are 1. Considering that MSB (Most-significant bit) is checked to find any data record, insert the following records in the hash table showing all the states for each insertion.</p> <table><tr><th>Data records</th><th>Search_Key</th><th>Hash(Search_Key)</th></tr><tr><td>Data 1</td><td>AFR</td><td>16</td></tr><tr><td>Data 2</td><td>HDE</td><td>48</td></tr><tr><td>Data 3</td><td>IYC</td><td>32</td></tr><tr><td>Data 4</td><td>EFG</td><td>4</td></tr><tr><td>Data 5</td><td>ADF</td><td>52</td></tr><tr><td>Data 6</td><td>EFG</td><td>17</td></tr><tr><td>Data 7</td><td>KHY</td><td>13</td></tr><tr><td>Data 8</td><td>OKU</td><td>25</td></tr><tr><td>Data 8</td><td>HMK</td><td>33</td></tr><tr><td>Data 10</td><td>YGL</td><td>21</td></tr></table>	Data records	Search_Key	Hash(Search_Key)	Data 1	AFR	16	Data 2	HDE	48	Data 3	IYC	32	Data 4	EFG	4	Data 5	ADF	52	Data 6	EFG	17	Data 7	KHY	13	Data 8	OKU	25	Data 8	HMK	33	Data 10	YGL	21	10
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