

<b>Subject : Information Security</b>			
<b>Practical List</b>			
<b>SrNo</b>		<b>CO</b>	<b>Marks</b>
<b>1</b>	<b>Study network analysis tool Wireshark. Filter TCP, UDP, ICMP, packet format, and extract OSI model format.</b>	<b>CO1</b>	<b>10</b>
<b>2</b>	<b>Implement Ceaser cipher encryption and decryption processes.</b>	<b>CO1</b>	<b>10</b>
<b>3</b>	<b>Implement monoalphabetic cipher encryption and decryption processes.</b>	<b>CO1</b>	<b>10</b>
<b>4</b>	<b>Implement polyalphabetic cipher encryption and decryption processes.</b>	<b>CO1</b>	<b>10</b>
<b>5</b>	<b>Implement play fair cipher encryption and decryption processes.</b>	<b>CO1</b>	<b>10</b>
<b>6</b>	<b>Implement rail fence cipher encryption and decryption processes.</b>	<b>CO1</b>	<b>10</b>
<b>7</b>	<b>Create a program for cryptanalysis using brute-force approach on Ceaser cipher.</b>	<b>CO2</b>	<b>10</b>
<b>8</b>	<b>Implement Euclidean algorithm to find gcd and Extended Euclidian algorithm to find multiplicative inverse.</b>	<b>CO3</b>	<b>10</b>
<b>9</b>	<b>Implement diffie-hellman key exchange algorithm to exchange keys.</b>	<b>CO5</b>	<b>10</b>
<b>10</b>	<b>Study various hashing algorithms for message integrity</b>	<b>CO4</b>	<b>10</b>