

<b>Practical Assignment No. 4 (ACT)</b>	
<b>Title:</b>	Integer factorization problem
<b>Problem Statement:</b>	Implement the solution for integer factorization problem and analyze the solution.
<b>Objective:</b>	To apply algorithmic strategies for solving the problems.
<b>Outcome:</b>	CO513.2: Analyse the solution for a given problem using different algorithms.
<b>Software or Hardware Requirements:</b>	Python/Java/GCC
<b>Theory: (Write the details of given points)</b>	<p>Define integer factorization problem Write and explain different algorithms for solving integer factorization problem(min 3)</p> <p>Analysis of minimum 3 algorithms for solving integer factorization problem with an example</p>
<b>Input/Datasets/Test Cases:</b>	Use different (min 10) big numbers input for recording the time reading for analysing the algorithms. Mention here the numbers
<b>Results:</b>	Write result values in the table and prepare a graph. Algorithms Vs Numbers Vs time
<b>Analysis and conclusion:</b>	Write your own analysis of output and conclusion( Minimum 1 statement Analysis, Minimum 1 Statement Conclusion)
<b>References:</b>	Reference Links(Any 2)