**Assignment 1 – Report**

**Data Structure & Algorithms**

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1. Introduction:

* The online shopping platforms require sophisticated data structures and algorithms to efficiently manage large volume of product data.
* The objective of this assignment is to employ fundamental data structures for effective data management and to implement basic sorting algorithms for sorting product data.

1. Snapshots of the Running Program:
2. Complexity Analysis Report:
3. Code Implementation:
4. Conclusion: