## **Assignment - 8**

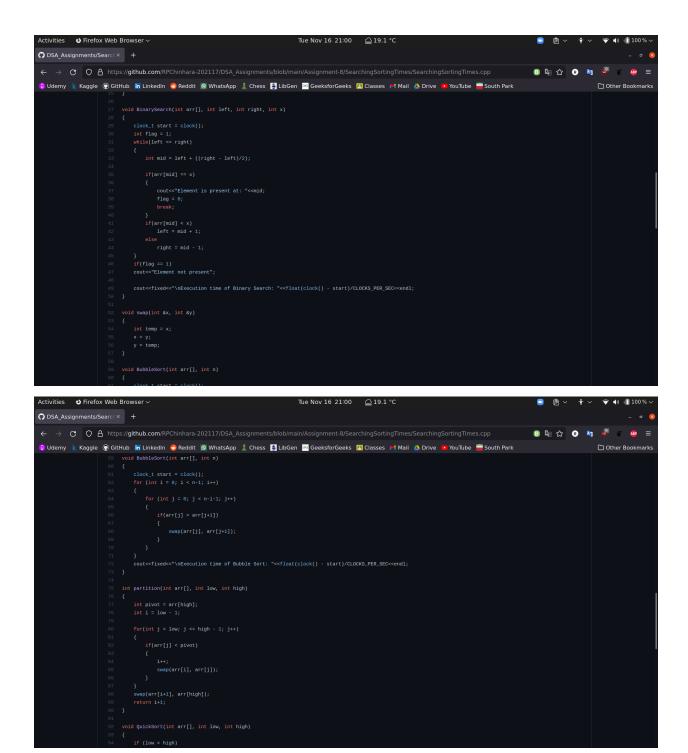
Rudra Chinhara, 202117

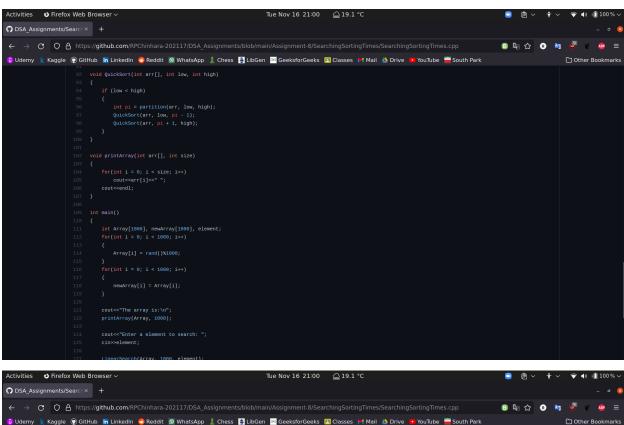
B. Tech CSE

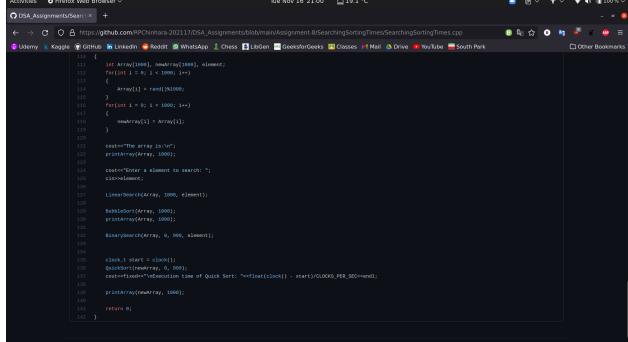
Central University of Haryana

Write a program to simulate the various searching and sorting algorithms and compare their timings of a list of 1000 elements

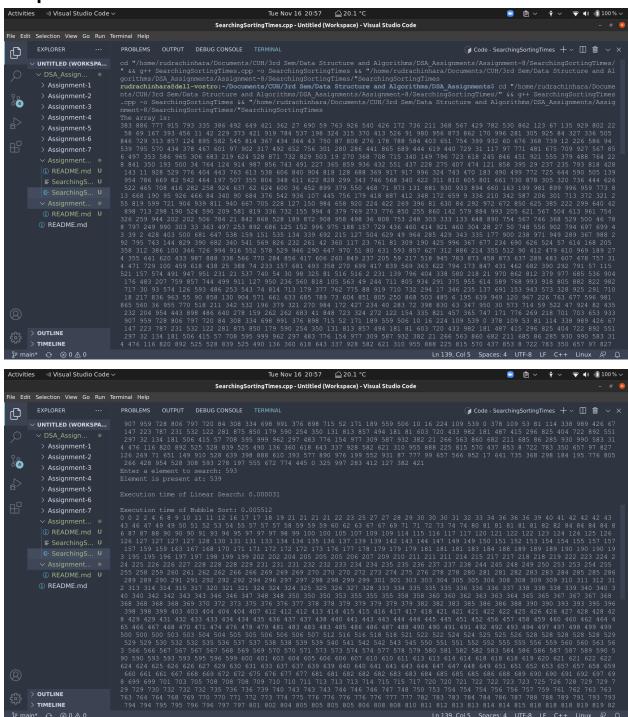
## Code:

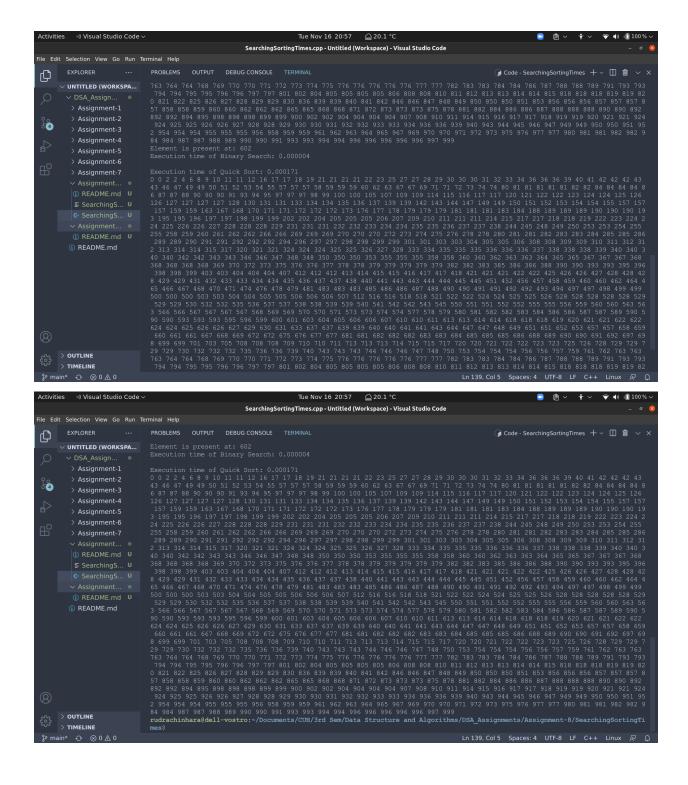






## **Output:**





## **Conclusion:**

As we can see,

- Linear Search takes longer than Binary Search
- Bubble Sort takes more time to execute than Quick Sort