# DS SAMPLE QUESTIONS

1 what is an array and what are the advantages of array over other data structures?

2. Finding the smallest and largest element in an array

3.Difference between Linear and Non-Linear data structure?

4. What is an algorithm?

5. What is Time and Space complexity?

6. What is an Asymptotic Notation? What are its types ? explain big(Oh) notation.

7.What is a sparse matrix? What are its types?

8.Write a program to convert a sparse matrix in its triplet form.

9. What is Stack? explain in detail

10. What is Queue? Explain in detail