



**भारतीय सूचना प्रौद्योगिकी संस्थान गुवाहाटी**  
**Indian Institute of Information Technology Guwahati**  
**COMPUTER PROGRAMMING LAB (CS110)**  
**ASSIGNMENTS-07**

1. Write a function in C to implement binary search on a sorted array.
2. Write a function in C to check whether an array is a subset of another array.
3. Write a function in C to implement selection sort.
4. Write a function in C to implement insertion sort.
5. Write a function in C to move all zeroes to the end of a given array.
6. Write a function in C to generate all random permutation of array elements.
7. Write a function in C for the addition of two matrices of the same size.
8. Write a program in C for the multiplication of two matrices.
9. Write a function in C to find the transpose of a given matrix.
10. Write a program in C to find the sum of rows and columns of a matrix.
11. Write a function in C to check whether a given matrix is an identity matrix.
12. Write a program in C to find all subarrays with a given sum from a given array.