



भारतीय सूचना प्रौद्योगिकी संस्थान गुवाहाटी
Indian Institute of Information Technology Guwahati
COMPUTER PROGRAMMING LAB (CS110)
ASSIGNMENTS-09

1. Write a function in C to find a given array's maximum contiguous subarray sum.
2. Write a function in C to find a given array's maximum circular subarray sum.
3. Write a function in C to check whether an array of integers is a subarray of another array of integers.
4. Write a function in C to move all zeroes to the end of a given array.
5. Write a function in C to generate a random permutation of array elements.
6. Write a function in C to implement a linear search on an array.
7. Write a function in C to implement binary search on a sorted array.
8. Write a function in C to implement selection sort.
9. Write a function in C to implement bubble sort.
10. Write a program in C to dynamically allocate and deallocate memory for a lower triangular matrix.