Week - 5

Ans.1

1. START
2. create a function as count chas (array, size, k)
3. Initialise count [k+1] = {0} & flag = 0
4. Take a loop as for (i=0; i<n; i++)
5. In the loop, increment count [array [i] - a]
   as ++ count [array [i] - 'a']
6. End loop
7. Take a loop as for (ch=' 97 '; ch <=122 , ch++)
8. In the loop, if count (ch-97] >1 , then flag++.
9. End loop
10. maximum = count [0]
11. Take a loop, for (i=1; i<k ; i++.)
12. In the loop, if count [i] > maximum
    then, maximum = count [i] ;
    and key = i
13. End loop
14. If flag = =0 then print no duplicate present
15. Else print (char) (key +97) and maximum;

Ans-2 Algorithm

1. First sort the array using sorting algorithm.
2. Then initialise the k= size - 1 & j=0 & flag =0.
3. Take a while loop as (j<n/2 & k>=n/2)
4. In loop
   - If (array[j] + array [k] == num]
     then k--;

- else
  j++;
- if (array[j] + array[k] == num)
  then print array[j] and array[k] & flag++;

5. End loop
6. If flag = 0
   then print no such pair exist.
7. STOP

Ans-3 Algorithm

1. Take a for loop as (i=0; i<m; i++)
2. In loop
   - initialise flag = -1
   - take a for loop as (j=0; j<n; j++)
   - In loop
     - if (array-1[i] == array-2[j])
       then,
       - if (array-2[j] == flag)
         then continue;
       - else
         - print array-1[i]
         - flag = array-1[i]
     - end loop
3. End loop
4. STOP