

Assignment-1(ARRAY and Function)

1. WAP in C to store the full marks secured by 10 students using array. Use functions for input, display, determining maximum, minimum, class sum and class average.

Consider the following prototypes:

```
void input(int [], int);  
void display(int [], int);  
int class_max(int [], int);  
int class_min(int [], int);  
int class_sum(int [], int);  
int class_avg(int [], int, int);
```

2. Wap to store cgpa of n students and display only those cgpa which are > 9 using function.
3. Wap to calculate standard deviation of the elements present in the array using function.
4. Wap to update each element of the array by multiplying 10 using function.
5. Wap to search an element in the array using linear search using function.
6. Wap to insert an element in an array using function.
7. Wap to delete an element from array where element to be deleted is given using function.
8. WAP to merge the elements of two arrays using function. consider following prototype
void merge(int [], int, int[], int, int[]);
9. WAP to sort the elements of the array in ascending order using function. (bubble sort)
10. WAP to sort the elements of the array in ascending order using function. (selection sort)
11. WAP to merge the elements of two sorted array so that resulting array is sorted
12. WAP to search an element in the array using binary search using function.