## Fop Lab Task 8

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Section: B

## TASK 1

```
#include <bits/stdc++.h>
                                                 "C:\Users\Hp\Downloads\Documents\NUST Content\Semester 1\Computer Systems & Programming Lab\week 10\week10\bin\Debu... —
using namespace std;
                                                 Enter the size of array: 7
int main()
                                                 Enter the elements of array: 3
    int length;
    float sum=0;
    cout<<"Enter the size of array: ";
    cin>>length;
    float nums[length];
    cout<<"Enter the elements of array: "; The average is 21.2857</pre>
    for (int i=0; i<length; i++) {</pre>
                                                 Process returned 0 (0x0) execution time : 48.116 s
        cin>>nums[i];
                                                 Press any key to continue.
    for (int i=0; i<length; i++)</pre>
        sum+=nums[i];
    cout<<"The average is "<<sum/length;</pre>
    return 0;
```

## TASK 2

```
#include <a href="https://docs.org/">int main()</a>

Int len=5, nums[len], temp;
for (int i=0; i<len-1; i++) {
    cout<<"Enter element "<<ii+|</a>

for (int j=0; i<len-1; i++) {
    for (int j=0; i<len-1; i++) {
        if (nums[j) = nums[j) = nums[j] = nums[j]) = nums[j] = nums[j] = nums[j] = nums[j] = nums[j] = nums[j];
        nums[i] = nums[j];
        cout<<"Sorted array is: ";
    for (int i=0; i<len-1) continue;
    cout<""sorted array is: ";
    for cout<""sorted array is: ";
    for cout<""sorted array is: ";
    for cout<"";
    return 0;
    return 0;
}

** TASK 3
```

## TASK 3

```
#include <bits/stdc++.h>
using namespace std;
int main()

if int len=5, nums[len], indofMin, temp;
for (int i=0; i<len; i++) {
    cout<<"Enter element "<i+i<" if indofMin = i;
    for (int i=0; i<len; i++) {
        indofMin = i;
        for (int i=0; i<len; i++) {
            indofMin = j;
        }

        temp = nums[i]; nums[indofMin];
        nums[i] = nums[indofMin];
        nums[indofMin] = nums[indofMin] = nums[indofMin] = nums[indofMin] = nums[indofMin] = nums[indofMin] = nums[indofMin]
```