

C Programming

Exercise

1. void main()

```
{
    int age[5] = {30,25,45,35,60};
    Double a[5] = {3.67, 1.21 ,5.87, 7.45, 9.12};
    printf("%d" ,age[0]);
    printf("%1f" ,a[2]);
}
```

2. void main()

```
{
    int a[5] = {4,3,6,5,1,2};
    printf("%d" ,a[2]);
}
```

3. void main()

```
{
    int a[0] = {10};
    printf("%d" ,a[0]);
}
```

4. void main()

```
{
    float arr[N] = {2, 4, 1, 5, 6, 9, 8, 3, 10, 7};
    int i=1, j=3, k=2;
    printf("%d ", arr[0]);
    printf("%d ", arr[3]);
    printf("%d ", arr[9]);
    printf("%d ", arr[i*j+k]);
    printf("%d ", arr[N-5]);
    printf("%d ", arr[N-1]);
}
```

```
}
```

5. void main()

```
{  
    int a[3] = {5, 4, 7};  
    int b[3];  
    b = a; /* Wrong */  
    printf("%d %d %d" , a[0],a[1],a[2]);  
    printf("%d %d %d" , b[0],b[1],b[2]);  
}
```

6. Write a program to find total and average of n given numbers and find the numbers which are greater than the average.
7. Write a program to find maximum and minimum in the given list of n numbers.
8. Write a program to find the count of positive numbers, negative numbers and zeros in the given list of n numbers.
9. Write a program to find the sum of positive numbers and negative numbers in the given list of n numbers.
10. Write a program to find the sum and count of even and odd numbers in the given list of n number.
11. Write a program to search an element in the given list of n numbers using linear search.
12. Write a program to delete an element from the array of n elements at the specified position.
13. Write a program to find the sum of all elements in the given matrix of order m x n.
14. Write a program to find sum of square of elements in a given matrix.
15. Write a program to find subtraction of two given matrices.
16. Write a program to find transpose of a given matrix.