1.

```
#include <stdio.h>
int main()
    float numbers[10], min, max, total = 0, avg;
    printf("Enter num1: ");
    scanf("%f", &numbers[0]);
    min = numbers[0];
    max = numbers[0];
    total += numbers[0];
   for (int i = 1; i \le 9; i++)
        printf("Enter num%d: ", i+1);
        scanf("%f", &numbers[i]);
        if (numbers[i] < min)</pre>
            min = numbers[i];
        if (numbers[i] > max)
            max = numbers[i];
        total += numbers[i];
    avg = total / 10.0;
    printf("Min : %.2f\n", min);
    printf("Max : %.2f\n", max);
    printf("Avg : %.2f\n", avg);
    printf("Reversed order of values: ");
    for (int i = 9; i >= 0; i--)
        printf("%.2f ", numbers[i]);
    printf("\n");
```

```
#include <stdio.h>
int main()
    // Input size of the array
int size;
    printf("Enter the size of the array: ");
scanf("%d", &size);
    // Enter numbers for Array 1
int arr1[size], arr2[size], total = 0;
    printf("\nInput the numbers for Array 1: \n");
    for (int i = 0; i < size; i++)
         printf("Enter Num%d: ", i+1);
scanf("%d", &arr1[i]);
        total += arr1[i];
    printf("\nThe Scalar Sum of Array 1 is %d\n", total);
    total = 0;
    // Enter numbers for Array 2
printf("\n\nInput the numbers for Array 2: \n");
    for (int i = 0; i < size; i++)
         printf("Enter Num*d: ", i+1);
scanf("%d", &arr2[i]);
    total += arr2[i];
    printf("\nThe Scalar Sum of Array 2 is %d\n", total);
    // Declaring Vector Sum and Vector Product
int vectorSum[size], vectorProduct[size];
    for (int i = 0; i < size; i++)
         vectorSum[i] = arr1[i] + arr2[i];
vectorProduct[i] = arr1[i] * arr2[i];
    total = 0;
    // Calculating Scalar Product
for (int i = 0; i < size; i++)
total += vectorProduct[i];
    printf("\n\nThe Vector Sum array is: \n");
    for (int i = 0; i < size; i++)</pre>
         printf("%d ", vectorSum[1]);
    printf("\n\nThe Vector Product array is: \n");
    for (int i = 0; i < size; i++)</pre>
        printf("%d ", vectorProduct[i]);
    printf("\n\nThe Scalar Product is %d\n", total);
```