A.c

```c
// a) Write C program that allows the user to enter several values of resistors,
// then store the values in an array, finally sort the values in an ascending order.
// Print the array after sorting
#include <stdio.h>

void sort(float arr[], int size)
{
    for(int i=0; i<size-1; i++)
    {
        for(int j=0; j<size-i-1; j++)
        {
            if(arr[j]>arr[j+1])
            {
                float temp = arr[j];
                arr[j] = arr[j+1];
                arr[j+1] = temp;
            }
        }
    }
}

int main()
{
    int size;
    printf("How many value will you add? ");
    scanf("%d",&size);

    float values[size];

    for(int i=0; i<size; i++ )
    {
        printf("Enter The Value: ");
        scanf("%f", &values[i]);
    }

    sort(values, size);

    for(int i=0; i<size; i++)
    {
        printf("%f\n", values[i]);
    }

}
```