C programming does not allow to return an entire array as an argument to a function. However, you can return a pointer to an array by specifying the array's name without an index.

If you want to return a single-dimension array from a function, you would have to declare a function returning a pointer as in the following example −

void sort(int \*q,int);

int main()

{

int a[10];

int n;

printf("enter number of elements\n");

scanf("%d",&n);

printf("Enter %d elements\n",n);

for(int i=0;i<n;i++)

{

scanf("%d",&a[i]);

}

sort(a,n);// passing first index

printf("After Sorting \n");

for(int i=0;i<n;i++)

{

printf("%d\n",a[i]);

}

return 0;

}

void sort(int \*q,int len)

{

for(int i=0;i<len;i++)

{

for(int j=i+1;j<len;j++)

{

if(q[i]>q[j])

{

int temp=q[i];

q[i]=q[j];

q[j]=temp;

}

}

}