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[■] ESSAY9.C

1=[↑↓]

```
#include <stdio.h>
```

```
main() {
```

```
    int n,arr[20],i,j;
```

```
    printf("Enter number of elements of the array :");
```

```
    scanf("%d",&n);
```

```
    for(i=0;i<n;i++){
```

```
        printf("Enter an element of the array:");
```

```
        scanf("%d",&arr[i]);}
```

```
    for (i = 0; i < n - 1; i++) {
```

```
        for (j = 0; j < n - i - 1; j++) {
```

```
            if (arr[j] > arr[j + 1]) {
```

```
                int temp = arr[j];
```

```
                arr[j] = arr[j + 1];
```

```
                arr[j + 1] = temp;
```

```
            }}
```

```
    printf("Array after implementing Bubble sort: ");
```

```
    for (i = 0; i < n; i++) {
```

```
        printf("%d  ", arr[i]);
```

```
    }
```

```
    return 0;
```

```
}
```

1:10

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```
C:\TURBOC3\BIN>TC
```

```
Enter number of elements of the array :5
```

```
Enter an element of the array:-2
```

```
Enter an element of the array:45
```

```
Enter an element of the array:0
```

```
Enter an element of the array:11
```

```
Enter an element of the array:-9
```

```
Array after implementing Bubble sort: -9  -2  0  11  45  _
```