

```
#include <iostream>
```

```
using namespace std;
```

```
void insercao(float* vetor, int tam) {
```

```
    int j, i, m, aux;
```

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

```
        m = i;
```

```
        for (j = i + 1; j < tam; j++) {
```

```
            if (vetor[j] < vetor[m]) {
```

```
                m = j;
```

```
            }
```

```
        }
```

```
        aux = vetor[i];
```

```
        vetor[i] = vetor[m];
```

```
        vetor[m] = aux;
```

```
    }
```

```
}
```

```
int main() {
```

```
    float vetor[100];
```

```
    int tam;
```

```
    cout << "Digite a quantidade de posicoes: ";
```

```
    cin >> tam;
```

```
    for (int i = 0; i < 1000; i++) {
```

```
        if (i < tam) {
```

```
            cout << "informe um valor: ";
```

```
            cin >> vetor[i];
```

```
        }
```

```
else {
```

```
break;
```

```
}
```

```
}
```

```
cout << "\n\nvetor dessarrumado: ";
```

```
for (int i = 0; i < tam; i++) {
```

```
cout << vetor[i] << ", ";
```

```
}
```

```
cout << "\n\nvetor arrumado: ";
```

```
insercao(vetor, tam);
```

```
for (int i = 0; i < tam; i++) {
```

```
cout << vetor[i] << ", ";
```

```
}
```

```
}
```