

```
#include <stdio.h>

int main(void) {
    int i,j,k;
    int x, y;

    int a[] = {2, 3, 2, -1};
    x = 4;

    for (i=1; i<x; i++) {
        j=0;
        while (j<x && (a[i] > a[j])) {
            j++;
        }

        y = a[i];
        for (k=i; k>j; k--) {
            a[k] = a[k-1];
        }
        a[j] = y;
    }
}
```