## Sol\_Travail3 /TP ALGO02/

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## -Function N°01: Selection Sort

```
Before
T[1] = 1
T[2] = 5
T[3] = 3
T[4] = 2
T[5] = 7
T[6] = 6
T[7] = 4
After
T[1] = 7
T[2] = 6
T[3] = 5
T[4] = 4
T[5] = 3
T[6] = 2
T[7] = 1
zed@x:~/c$
        1 #include <stdio.h>
10
11
12
13
14
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19
20
21
22
23
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28
29
30 }
                              int T[7]={1, 5, 3, 2, 7, 6, 4};
int i;
printf("Before\n");
for(i=0;i<7;i++){
    printf("T[%d] = %d\n", i+1, T[i]);
}</pre>
                             prediction
}
f1(T);
printf("After\n");
for(i=0;i<7;i++){
    printf("T[%d] = %d\n", i+1, T[i]);
}</pre>
```

## -Function N°02: Bubble Sort

```
Before
T[1] = 1
T[2] = 5
T[3] = 3
T[4] = 2
T[5] = 7
T[6] = 6
T[7] = 4
After
T[1] = 7
T[2] = 6
T[3] = 5
T[4] = 4
T[5] = 3
T[6] = 2
T[7] = 1
zed@x:~/c$
11
12
13 }
14 it
15 {
16
17
18
20
21
22
23
24
25
26
27
29
                     int T[7]={1, 5, 3, 2, 7, 6, 4};
int i;
printf("Before\n");
for(i=0;i<7;i++){
    printf("T[%d] = %d\n", i+1, T[i]);</pre>
                   }
f2(T);
printf("After\n");
for(i=0;i<7;i++){
    printf("T[%d] = %d\n", i+1, T[i]);
```

## -Function N°03: Insertion sort

```
1 #include <stdio.h>
                                                                                                                                                                                                                               T[1] = 1
T[2] = 5
T[3] = 3
T[4] = 2
T[5] = 7
T[6] = 6
T[7] = 4
After
T[1] = 7
T[2] = 6
T[3] = 5
T[4] = 4
T[5] = 3
T[6] = 2
T[7] = 1
                                                                                                                                                                                                                                  zed@x:~/c$
                 int T[7]={1, 5, 3, 2, 7, 6, 4};
int i;
printf("Before\n");
for(i=0;i<7;i++){
   printf("T[%d] = %d\n", i+1, T[i]);</pre>
                  f3(T);
printf("After\n");
for(i=0;i<7;i++){
    printf("[%d] = %d\n", i+1, T[i]);</pre>
```