Q1 (a) Before looping: 44, 22, 33, 66, 11

1st iteration:

Compared items: 44, 22

22, 44, 33, 66, 11

2nd iteration:

Compared items: 44, 33, 22

22, 33, 44, 66, 11

3rd iteration: 44, 66

22, 33, 44, 66, 11

4th iteration: 66, 11, 44, 33, 22

11, 22, 33, 44, 66

(b)Before looping: 44, 22, 33, 66, 11

1st iteration: 11, 44

11, 22, 33, 66, 44

11 being the smallest value is swapped with 44

2nd iteration: 44, 66

11, 22, 33, 44, 66

44 being the next smallest of that is not already in its correct position

Q2

At, be, de, es, fr, gr, ie, nl, pt, uk

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| L | R | M | Found | Comparison |
| 0 | 9 |  |  |  |
|  | 2 | 4 | False | De, fr |
| 2 |  | 1 | False | De, be |
|  |  | 2 | True | De, de |

The return value is 2