

⇒ Bubble sort

① First pass:-

[3, 44, 38, 5, 47, 15, 36, 26, 27, 2, 46, 4, 19, 50, 48, ⁴³33, 34, 25, 1]

"value to swap = 44"

[3, 38, 5, 44, 47, 15, 36, 26, 27, 2, 46, 4, 19, 50, 48, 43, 33, 34, 25, 1]

② Second pass:-

"value to swap = 38"

[3, 5, 38, 44, 47, 15, 36, 26, 27, 2, 46, 4, 19, 50, 48, 43, 33, 34, 25, 1]

③ Third pass:-

"value to swap = 47"

[3, 5, 38, 44, 15, 36, 26, 27, 2, 46, 4, 19, 47, 50, 48, 43, 33, 34, 25, 1]

④ Forth pass:-

"value to swap = 44"

[3, 5, 38, 15, 36, 26, 27, 2, 44, 46, 4, 19, 47, 50, 48, 43, 33, 34, 25, 1]

⑤ Fifth pass:-

"value to swap = 38"

[3, 5, 15, 36, 26, 27, 2, 38, 44, 46, 4, 19, 47, 50, 48, 43, 33, 34, 25, 1]

⑥ Sixth pass :-

"value to swap = 36"

[3, 5, 15, 26, 27, 2, 36, 38, 44, 46, 4, 19, 47, 50, 48, 43, 33, 34, 25, 1]

⑦ Seventh pass :-

"value to swap = 27"

[3, 5, 15, 26, 2, 27, 36, 38, 44, 46, 4, 19, 47, 50, 48, 43, 33, 34, 25, 1]

⑧ Eight pass :-

"value to swap = 26"

[3, 5, 15, 2, 26, 27, 36, 38, 44, 46, 4, 19, 47, 50, 48, 43, 33, 34, 25, 1]

⑨ Ninth pass :-

"value to swap = 15"

[3, 5, 2, 15, 26, 27, 36, 38, 44, 46, 4, 19, 47, 50, 48, 43, 33, 34, 25, 1]

⑩ Tenth pass :-

"value to swap = 5"

[3, 2, 5, 15, 26, 27, 36, 38, 44, 46, 4, 19, 47, 50, 48, 43, 33, 34, 25, 1]

⑪ Eleventh pass :-

"value to swap = 3"

[2, 3, 5, 15, 26, 27, 36, 38, 44, 46, 4, 19, 47, 50, 48, 43, 33, 34, 25, 1]

② Twelfth pass :-

"value to swap = 46"

[2, 3, 5, 15, 26, 27, 36, 38, 44, 4, 19, 46, 47, 50, 48, 43, 33, 34, 25, 1]

③ Thirteenth pass :-

"value to swap = 44"

[2, 3, 5, 15, 26, 27, 36, 38, 4, 19, 44, 46, 47, 50, 48, 43, 33, 34, 25, 1]

④ Fourteenth pass :-

"value to swap = 38"

[2, 3, 5, 15, 26, 27, 36, 4, 19, 38, 44, 46, 47, 50, 48, 43, 33, 34, 25, 1]

⑤ Fifteenth pass :-

"value to swap = 36"

[2, 3, 5, 15, 26, 27, 4, 19, 36, 38, 44, 46, 47, 50, 48, 43, 33, 34, 25, 1]

⑥ Sixteenth pass :-

"value to swap = 27"

[2, 3, 5, 15, 26, 4, 19, 27, 36, 38, 44, 46, 47, 50, 48, 43, 33, 34, 25, 1]

⑦ Seventeenth pass :-

"value to swap = 26"

[2, 3, 5, 15, 4, 19, 26, 27, 36, 38, 44, 46, 47, 50, 48, 43, 33, 34, 25, 1]

⑮ Eighteenth pass:-

"value to swap = 15"

[2, 3, 5, 4, 15, 19, 26, 27, 36, 38, 44, 46, 47, 50, 48, 43, 33, 34, 25, 1]

⑯ Nineteen pass:-

"value to swap = 5"

[2, 3, 4, 5, 15, 19, 26, 27, 36, 38, 44, 46, 47, 50, 48, 43, 33, 34, 25, 1]

⑰ Twenty'th pass:-

"value to swap = 50"

[2, 3, 4, 5, 15, 19, 26, 27, 36, 38, 44, 46, 47, 48, 43, 33, 34, 25, 1, 50]

⑱ Twenty first pass:-

"value to swap = 48"

[2, 3, 4, 5, 15, 19, 26, 27, 36, 38, 44, 46, 47, 43, 33, 34, 25, 1, 48, 50]

⑳ Twenty second pass:-

"value to swap = 47"

[2, 3, 4, 5, 15, 19, 26, 27, 36, 38, 44, 46, 43, 33, 34, 25, 1, 47, 48, 50]

㉑ Twenty third pass:-

"value to swap = 46"

[2, 3, 4, 5, 15, 19, 26, 27, 36, 38, 44, 43, 33, 34, 25, 1, 46, 47, 48, 50]

② Twenty fourth pass:-

"value to swap = 44"

[2, 3, 4, 5, 15, 19, 26, 27, 36, 38, 43, 33, 34, 25, 1, 44, 46, 47, 48, 50]

③ Twenty fifth pass:-

"value to swap = 43"

[2, 3, 4, 5, 15, 19, 26, 27, 36, 38, 33, 34, 25, 1, 43, 44, 46, 47, 48, 50]

④ Twenty sixth pass:-

"value to swap = 38"

[2, 3, 4, 5, 15, 19, 26, 27, 36, ~~33~~, 34, 25, 1, 38, 43, 44, 46, 47, 48, 50]

⑤ Twenty seventh pass:-

"value to swap = 36"

[2, 3, 4, 5, 15, 19, 26, 27, 33, 34, 25, 1, 36, 38, 43, 44, 46, 47, 48, 50]

⑥ Twenty eighth pass:-

"value to swap = 34"

[2, 3, 4, 5, 15, 19, 26, 27, 33, 25, 1, 34, 36, 38, 43, 44, 46, 47, 48, 50]

⑦ Twenty ninth pass:-

"value to swap = 33"

[2, 3, 4, 5, 15, 19, 26, 27, 25, 1, 33, 34, 36, 38, 43, 44, 46, 47, 48, 50]

③① Thirty'th pass:-

"value to swap = 27"

[2, 3, 4, 5, 15, 19, 26, 25, 1, 27, 33, 34, 36, 38, 43, 44, 46, 47, 48, 50]

③② Thirty first pass:-

"value to swap = 26"

[2, 3, 4, 5, 15, 19, 25, 1, 26, 27, 33, 34, 36, 38, 43, 44, 46, 47, 48, 50]

③③ Thirty second pass:-

"value to swap = 25"

[2, 3, 4, 5, 15, 19, 1, 25, 26, 27, 33, 34, 36, 38, 43, 44, 46, 47, 48, 50]

③④ Thirty ~~four~~ third pass:-

"value to swap = 19"

[2, 3, 4, 5, 15, ~~1~~, 19, 25, 26, 27, 33, 34, 36, 38, 43, 44, 46, 47, 48, 50]

③⑤ Thirty forth pass:-

"value to swap = 15"

[2, 3, 4, 5, 1, 15, 19, 25, 26, 27, 33, 34, 36, 38, 43, 44, 46, 47, 48, 50]

③⑥ Thirty fifth pass:-

"value to swap = 5"

[2, 3, 4, 1, 5, 15, 19, 25, 26, 27, 33, 34, 36, 38, 43, 44, 46, 47, 48, 50]

③⑥ Thirty sixth pass:-

"value to swap = 4"

[2, 3, 1, 4, 5, 15, 19, 25, 26, 27, 33, 34, 36, 38, 43, 44, 46, 47, 48, 50]

③⑦ Thirty seventh pass:-

"value to swap = 3"

[2, 1, 3, 4, 5, 15, 19, 25, 26, 27, 33, 34, 36, 38, 43, 44, 46, 47, 48, 50]

③⑧ Thirty eight pass:-

"value to swap = 2"

[1, 2, 3, 4, 5, 15, 19, 25, 26, 27, 33, 34, 36, 38, 43, 44, 46, 47, 48, 50]

⇒ Sorted Array:-

[1, 2, 3, 4, 5, 15, 19, 25, 26, 27, 33, 34, 36, 38, 43, 44, 46, 47, 48, 50]