Sebelum diurutkan

for(pos = 0; pos < N-1; pos++)

{

min = pos;

for(i = pos+1; i < N; i++)

{

if(data[i] < data[min])

{

min = i;

}

}

temp = data[min];

data[min] = data[pos];

data[pos] = temp;

}

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **29** | **10** | **14** | **37** | **13** |
| [0] | [1] | [2] | [3] | [4] |

STEP 1:

pos = 0 pos < 5 – 1

min = pos 🡪 min = 0

i = 0 + 1 = 1 i < 5

data[1] < data[0] 🡪 10 < 20 (TRUE) 🡪 min = 1 (berubah)

i = 2 i < 5

data[2] < data[1] 🡪 14 < 10 (FALSE) 🡪 min = 1 (tetap)

i = 3 i < 5

data[3] < data[1] 🡪 37 < 10 (FALSE) 🡪 min = 1 (tetap)

i = 4 i < 5

data[4] < data[1] 🡪 13 < 10 (FALSE) 🡪 min = 1 (tetap)

Elemen pos dan min bertukar posisi

Hasil:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **10** | **29** | **14** | **37** | **13** |
| [0] | [1] | [2] | [3] | [4] |

STEP 2:

pos = 1 pos < 4

min = pos 🡪 min = 1

i = 1 + 1 = 2 i < 5

data[2] < data[1] 🡪 14 < 29 (TRUE) 🡪 min = 2 (berubah)

i = 3 i < 5

data[3] < data[2] 🡪 37 < 14 (FALSE) 🡪 min = 2 (tetap)

i = 4 i < 5

data[4] < data[2] 🡪 37 < 14 (FALSE) 🡪 min = 2 (tetap)

Elemen pos dan min bertukar posisi

Hasil:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **10** | **14** | **29** | **37** | **13** |
| [0] | [1] | [2] | [3] | [4] |

STEP 3:

pos = 2 pos < 4

min = pos 🡪 min = 2

i = 2 + 1 = 3 i < 5

data[3] < data[2] 🡪 37 < 29 (FALSE) 🡪 min = 2 (tetap)

i = 4 i < 5

data[4] < data[2] 🡪 13 < 29 (TRUE) 🡪 min = 4 (berubah)

Elemen pos dan min bertukar posisi

Hasil:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **10** | **14** | **13** | **37** | **29** |
| [0] | [1] | [2] | [3] | [4] |

STEP 4:

pos = 3 pos < 4

min = pos 🡪 min = 3

i = 3 + 1 = 4 i < 5

data[4] < data[3] 🡪 29 < 37 (TRUE) 🡪 min = 3 (berubah)

Elemen pos dan min bertukar posisi

Hasil:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **10** | **14** | **13** | **29** | **37** |
| [0] | [1] | [2] | [3] | [4] |

Setelah diurutkan

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **10** | **14** | **13** | **29** | **37** |
| [0] | [1] | [2] | [3] | [4] |