2. a[] = 2 18 1 0 56 76 98 34 12

n = 9 —> int n = data Array.length ;

Quick :

	0	1	2	3	4	5	6	7	8
a :	2	18	1	0	56	76	98	34	12

start = 0 ;

end = 9 - 1 = 8

int p = Partition (a, 0, 8) ;

Partition :

	0	1	2	3	4	5	6	7	8
a :	2	18	1	0	56	76	98	34	12

pivot = a[8] = 12

i = 0 - 1 = -1

for (j = 0 ; j <= 8)

j = 0

if (a[0] < pivot)

2 < 12 ? true

j = i + 1

i = -1 + 1 = 0 ;

t = a[0] ; —> t = 2 ;

a[0] = a[0] ; a[0] = 2 ;

a[0] = t ; —> a[0] = 2 ;

j = 1

if(a[1] < 12)

18 < 12 ? false

j = 2

if (a[2] < 12)

1 < 12 ? true

j = i + 1

i = 0 + 1 = 1 ;

t = a[1] ; —> t = 18

a[i] = a[j] —> a[2] = a[1] = 1

a[1] = t —> [1] = 1

2, 1, 18, 0, 56, 76, 98, 34, 12

j = 3

if (a[3] < 12)

0 < 12 ? true

i = 1 + 1 = 2

t = a[2] ; —> t = 18

a[i] = a[j]

a[2] = a[3]

a[2] = 0

a[2] = t ; —> t = 0

2, 18, 0, 1, 56, 76, 98, 34, 12

j = 4

if (a[4] < 12)

56 < 12 ? false

j = 5

if (a[5] < 12)

76 < 12 ? false

j = 6

if (a[6] < 12)

98 < 12 ? false

j = 7

if (a[7] < 12)

34 < 12 ? false

j = 8

if (a[8] < 12)

12 < 12 ? false

int t = a[i+1] —> t = a[2+1] ;

t = a[3]

t = 1

a[i+1] = a[end] → a[3] = a[8]
= 12

a[end] = t
a[8] = 1
return (i+1) → return 5
a: [2,18,0,1,56,76,98,38,12]
p = 3 ; (from Return);
a = [2,18,0,1,56,76,98,38,12]
start = 0
end = 5 - 1 = 4
pivot = a[end] = a[4] = 56
i = 0 - 1 = -1
for (j = 0 ; j <= 4]

j = 0
if (a[0] < 56)
2. < 56 ? true

if (a[1] < 56)
18 < 56 ? true

j = 2
if (a[2] < 56)
0 < 56 ? true

j = 3
if (a[3] < 56)
1 < 56 ? true

j = 4
if (a[4] < 56)
56 < 56 ? false

j = 5
if (a[5] < 56)
76 < 56 ? false

j = 6
if (a[6] < 56)
98 < 56 ? false

j = 7
if (a[7] < 56)
38 < 56 ? false

j = 8
if (a[8] < 0)
12 < 0 ? false
int t = a[i+1]
t = a[-1+1]
t = a[0]
t = 2
a[i+1] = a[end]
a[0] = a[2]
a[0] = 0
a[end] = t → a[2] =
return (-1+1) → return (0)
a = [2,18,0,1,56,76,98,38,12]

Jadi, urutan yang terjadi pada saat p = 5 adalah
= (2,18,0,1,56,76,98,38,12)