Technic1:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Array Value | 6 | 7 | 8 | 9 | 4 | 10 | 4 | 7 |
| Index i &j | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

**iteration of 1st for loop index i=0 : compare 0th I index with i+1,2,3……(using j ie. 1,2,..)**

2nd for loop index j=i+1 = iteration 1 to 7

Compart array[0] and arra[j] and swap the lowest to 0th index

o/p will the lowest number will be placed in index o

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Array Value | 4 |  |  |  |  |  |  |  |
| Index i &j | i0 | I1 | I2 | I3 | I4 | I5 | I6 | I7 |

**iteration of 1st for loop index i=1 : compare 1st I index with i+1,2,3……(using j i.e 2,3….)**

2nd for loop index j=i+1 = iteration 2 to 7

Compart array[1] and arra[j] and swap the lowest to 1st index and so on ---

o/p will the lowest number will be placed in index o

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Array Value | 4 | 6 |  |  |  |  |  |  |
| Index i &j | i0 | I1 | I2 | I3 | I4 | I5 | I6 | I7 |