|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 10 | 5 | 30 | 15 | 9 | 1 |

Compare

Key

1st Iteration

Key

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 10 | 5 | 30 | 15 | 9 | 1 |

Compare

1st Iteration

Key

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 10 | 5 | 30 | 15 | 9 | 1 |

1st Iteration

Compare

Key

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 10 | 5 | 30 | 15 | 9 | 1 |

1st Iteration

Compare

Key

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 10 | 5 | 30 | 15 | 9 | 1 |

1st Iteration

Compare

Key

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 10 | 5 | 30 | 15 | 9 | 1 |

1st Iteration

Swap

Like This Elements will interchange their Position in feature iterations

After 1st Iteration

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 30 | 15 | 9 | 10 |

2nd Iteration

Key

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 30 | 15 | 9 | 10 |

Compare

Key

2nd Iteration

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 30 | 15 | 9 | 10 |

Compare

Key

2nd Iteration

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 30 | 15 | 9 | 10 |

Compare

Key

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 30 | 15 | 9 | 10 |

2nd Iteration

Compare

Here no element is lesser than key value that’s why this value position is second only

After 2nd Iteration

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 30 | 15 | 9 | 10 |

Key

3rd Iteration

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 30 | 15 | 9 | 10 |

Compare

Key

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 30 | 15 | 9 | 10 |

3rd Iteration

Compare

Key

3rd Iteration

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 30 | 15 | 9 | 10 |

Compare

Key

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 30 | 15 | 9 | 10 |

3rd Iteration

Swap

After 3rd Iteration

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 9 | 15 | 30 | 10 |

Key

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 9 | 15 | 30 | 10 |

4th Iteration

Compare

Key

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 9 | 15 | 30 | 10 |

4th Iteration

Compare

Key

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 9 | 15 | 30 | 10 |

4th Iteration

Swap

After 4th Iteration

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 9 | 10 | 30 | 15 |

Key

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 9 | 10 | 30 | 15 |

Swap

5th Iteration

After 5th Iteration

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 5 | 9 | 10 | 15 | 30 |

This is the final sorted List