array=[5, 2, 8, 20, -2, 5, 11, 31, 7, 9]

|  |  |  |  |
| --- | --- | --- | --- |
| Index | Element | Statements   array[i] > first  array[i]>second  array[i]>third | Result |
| 0 | 5 | array[0] =5> first=0 - true | third = second=0  second = first=0  first=array[0]=5 |
| 1 | 2 | array[1] > first=5 - false  array[1]=2>second=0 - true | third=second=0  second=array[1]=2 |
| 2 | 8 | array[2]=8 > first=5 - true | third = second=2  second = first=5  first=array[2]=8 |