Take element = Random
   I am taking the Random element = 149

Step:-1

   pivot = 149

partition:

   Left (<149): 110 107 122 111 141 123 112 117
                     133
   Right (≠149): 157 151

   110 107 122 111 141 123 112 117 133 | 149 | 157
   151

Step:-2

   pivot = 141 (Middle of the left sub array)

   110 107 122 111 123 112 117 133 | 141 | 149 |
   157 151

Step:-3

   pivot = 117 (Middle of the left subarray)

   110 107 111 112 | 117 | 122 123 133 | 141 | 149 157

   151

Step:-4

   pivot = 151 (Middle of the right subarray)

   110 107 | 111 112 | 117 | 122 123 133 | 141 | 149 |
   151 157

final Sorted array

   107 110 111 112 117 122 123 133 141

   149 151 157