```
PYTHON PROGRAM
  1 #Program to implement Quick Sort
  2
    def print array(a):
  3
  4
       for i in a:
         print(i,end=" ")
  5
       print("\n")
  6
    def partition(a,p,r):
  7
       i=p-1
  8
  9
       pivot=a[r]
       for j in range(p,r):
 10
11
         if(a[j]<pivot):</pre>
            i=i+1
12
            a[i],a[j]=a[j],a[i]
13
       a[i+1],a[r]=a[r],a[i+1]
14
15
       return (i+1)
    def quick_sort(a,p,r):
16
17
       if(p<r):</pre>
18
         q=partition(a,p,r)
19
         quick_sort(a,p,q-1)
20
         quick_sort(a,q+1,r)
21 import random
22 n = 10;a = []
23 for i in range(n):
       a.append(random.randint(3, 100))
24
25 print("Array Before Sorting",end=" ")
26 print array(a)
27 print("Array After Sorting",end=" ")
28 quick sort(a,0,n-1)
29 print_array(a)
```