```
<-----> Testing creating a k-D tree for k = 2 ----->
Input 2D points:
(1.0, 5.0)
(3.0, 7.0)
(2.0, 12.0)
(4.0, 3.0)
(11.0, 1.0)
(5.0, 2.0)
(9.0, 10.0)
The 2D tree built from these points is:
      3: (9.0, 10.0)
   2: (5.0, 2.0)
      3: (11.0, 1.0)
1: (4.0, 3.0)
      3: (2.0, 12.0)
   2: (3.0, 7.0)
      3: (1.0, 5.0)
<-----> Testing creating a k-D tree for k = 3 ----->
Input 3D points:
(3.0, 7.0, 5.0)
(1.0, 12.0, 0.0)
(2.0, 13.0, 16.0)
(4.0, 6.0, 1.0)
(18.0, 1.0, 2.0)
(7.0, 3.0, 3.0)
(16.0, 4.0, 4.0)
(5.0, 5.0, 17.0)
The 3D tree built from these points is:
         4: (5.0, 5.0, 17.0)
      3: (16.0, 4.0, 4.0)
   2: (7.0, 3.0, 3.0)
      3: (18.0, 1.0, 2.0)
1: (4.0, 6.0, 1.0)
      3: (2.0, 13.0, 16.0)
   2: (1.0, 12.0, 0.0)
      3: (3.0, 7.0, 5.0)
```