Assignment 1 - **K-d Tree using 16 Dimension Data of size 100000**

Output File –

```
Input size 100000


Query Point (0.593133, 0.290753, 0.663091, 0.801696, 0.689767, 0.931871, 0.32194, 0.938846, 0.123786, 0.843999, 0.588233, 0.241627, 0.404008, 0.225592
, 0.225867, 0.88906)


Result Point of Nearest Neighbour (0.467761, 0.185254, 0.573261, 0.975814, 0.969272, 0.78192, 0.317017, 0.787649, 0.143361, 0.736848, 0.451864, 0.0342
618, 0.669967, 0.486246, 0.410022, 0.97239)


Minimum distance found between Query Point and Nearest neightbor Point 0.441721

...Program finished with exit code 0
Press ENTER to exit console.
```

Notes –

1. We have explained our code using comments in our c file. We have mentioned our comments for almost each method or statements in our code.
2. We haven't print any other values in the output such as mean value, variance value or tree values. Because it's taking so much space in the document as we have a lot of data. We are just printing Query points and Nearest neighbour point with their minimum distance value.