

OOPS LAB ASSIGNMENT 7

1) Iterate TreeMap:

```
TreeMap elements:
{SE20UCSE086=Mallika, SE20UCSE087=Malveeka, SE20UCSE088=Manoj, SE20UCSE089=Manas, SE20UCSE090=Maneesh, SE20UCSE091=Siddhant, SE20UCSE092=Amogha, SE20UCSE093=Shashwat, SE20UCSE094=Sravanthi, SE20UCSE095=Pranav}
Key: SE20UCSE086, Value: Mallika
Key: SE20UCSE087, Value: Malveeka
Key: SE20UCSE088, Value: Manoj
Key: SE20UCSE089, Value: Manas
Key: SE20UCSE090, Value: Maneesh
Key: SE20UCSE091, Value: Siddhant
Key: SE20UCSE092, Value: Amogha
Key: SE20UCSE093, Value: Shashwat
Key: SE20UCSE094, Value: Sravanthi
Key: SE20UCSE095, Value: Pranav
PS C:\Users\Mallika\OneDrive\Desktop\oops\lab7>
```

2) Reverse arrayList:

```
[86, 87, 88, 89, 90, 91, 92, 93, 94, 95]
After reversing:
[95, 94, 93, 92, 91, 90, 89, 88, 87, 86]
PS C:\Users\Mallika\OneDrive\Desktop\oops\lab7>
```

3) Hashmap to array:

```
HashMap elements:
{SE20UCSE087=Malveeka, SE20UCSE086=Mallika, SE20UCSE095=Pranav, SE20UCSE094=Sravanthi, SE20UCSE093=Shashwat, SE20UCSE092=Amogha, SE20UCSE091=Siddhant, SE20UCSE089=Manas, SE20UCSE088=Manoj}
After creating an array:
[SE20UCSE087=Malveeka, SE20UCSE086=Mallika, SE20UCSE095=Pranav, SE20UCSE094=Sravanthi, SE20UCSE093=Shashwat, SE20UCSE092=Amogha, SE20UCSE091=Siddhant, SE20UCSE089=Manas, SE20UCSE088=Manoj]
PS C:\Users\Mallika\OneDrive\Desktop\oops\lab7>
```

4) Delete element from arraylist:

```
[86, 87, 88, 89, 90, 91, 92, 93, 94, 95]
After removing:
[86, 87, 88, 89, 90, 91, 93, 94, 95]
PS C:\Users\Mallika\OneDrive\Desktop\oops\lab7>
```

5) Insert element in arraylist:

```
[86, 87, 88, 89, 90, 91, 92, 93, 94, 95]
After inserting:
[86, 87, 88, 89, 90, 69, 91, 92, 93, 94, 95]
PS C:\Users\Mallika\OneDrive\Desktop\oops\lab7>
```

6) Sort Map based on key:

```
HashMap elements:
{SE20UCSE087=Malveeka, SE20UCSE086=Mallika, SE20UCSE095=Pranav, SE20UCSE094=Sravanthi, SE20UCSE093=Shashwat, SE20UCSE089=Manas, SE20UCSE088=Manoj}
HashMap after sorting by keys in ascending order:
SE20UCSE086 - Mallika
SE20UCSE087 - Malveeka
SE20UCSE088 - Manoj
SE20UCSE089 - Manas
SE20UCSE090 - Maneesh
SE20UCSE091 - Siddhant
SE20UCSE092 - Amogha
SE20UCSE093 - Shashwat
SE20UCSE094 - Sravanthi
SE20UCSE095 - Pranav
```

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