

Name: Tanisha Rana

Section: CSE3

Roll no.: SE20UCSE202

LAB 7

Question 1:

```
PS C:\Users\tanis\Desktop\oopslab> javac tree_map.java
PS C:\Users\tanis\Desktop\oopslab> java tree_map
Tree Map elements are :
  SE20UCSE202 Tanisha
SE20UCSE138 Ridhi
SE20UCSE118 Anvita
SE20UCSE077 Aravind
SE20UCSE042 Eashwar
SE20UCSE109 Navya
SE20UCSE123 XYZ
SE20UCSE456 LMN
SE20UCSE789 KGF
SE20UCSE1010 OPQ
PS C:\Users\tanis\Desktop\oopslab> █
```

Question 2:

```
PS C:\Users\tanis\Desktop\oopslab> javac array_list.java
PS C:\Users\tanis\Desktop\oopslab> java array_list
[SE20UCSE190, SE20UCSE1010, SE20UCSE123, SE20UCSE089, SE20UCSE051, SE20UCSE077, SE20UCSE118, SE20UCSE109, SE20UCSE138, SE20UCSE202]
PS C:\Users\tanis\Desktop\oopslab> █
```

Question 3:

```
PS C:\Users\tanis\Desktop\oopslab> javac hash_to_array.java
PS C:\Users\tanis\Desktop\oopslab> java hash_to_array
[1= SE20UCSE202 Tanisha, 2=SE20UCSE138 Ridhi, 3=SE20UCSE118 Anvita, 4=SE20UCSE077 Aravind, 5=SE20UCSE042 Eashwar, 6=SE20UCSE109 Navya, 7=SE
20UCSE123 XYZ, 8=SE20UCSE456 LMN, 9=SE20UCSE789 KGF, 10=SE20UCSE1010 OPQ]
PS C:\Users\tanis\Desktop\oopslab> █
```

Question 4:

```
PS C:\Users\tanis\Desktop\oopslab> javac delete_elements.java
PS C:\Users\tanis\Desktop\oopslab> java delete_elements
enter the index to delete element
3
[SE20UCSE202, SE20UCSE138, SE20UCSE109, SE20UCSE077, SE20UCSE051, SE20UCSE089, SE20UCSE123, SE20UCSE1010, SE20UCSE190]
PS C:\Users\tanis\Desktop\oopslab> █
```

Question 5:

```
PS C:\Users\tanis\Desktop\oopslab> javac insert_elements.java
PS C:\Users\tanis\Desktop\oopslab> java insert_elements
enter index at which you want to insert element
2
enter string
SE20UCSE6787878787
[SE20UCSE202, SE20UCSE138, SE20UCSE6787878787, SE20UCSE109, SE20UCSE118, SE20UCSE077, SE20UCSE051, SE20UCSE089, SE20UCSE123, SE20UCSE1010,
SE20UCSE190]
PS C:\Users\tanis\Desktop\oopslab> █
```

Question 6:

```
PS C:\Users\tanis\Desktop\oopslab> javac sort_map.java
PS C:\Users\tanis\Desktop\oopslab> java sort_map
Roll no: 1      name: SE20UCSE123 XYZ
Roll no: 2      name: SE20UCSE042 Eashwar
Roll no: 3      name: SE20UCSE118 Anvita
Roll no: 4      name: SE20UCSE077 Aravind
Roll no: 6      name: SE20UCSE109 Navya
Roll no: 7      name: SE20UCSE789 KGF
Roll no: 8      name: SE20UCSE456 LMN
Roll no: 10     name: SE20UCSE1010 OPQ
PS C:\Users\tanis\Desktop\oopslab> █
```