## **Collections**

1. Write Java code to define List . Insert 5 floating point numbers in List, and using an iterator, find the sum of the numbers in List.

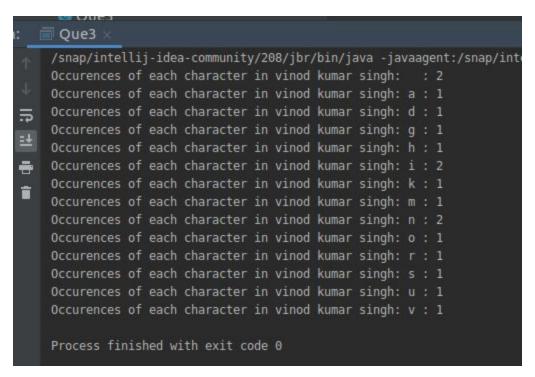
```
Que1 ×

/snap/intellij-idea-community/208/jbr/bin/java -javaagent:/snap/intellij-idea-community/208/jbr/bin/java -javaagent:/snap/in
```

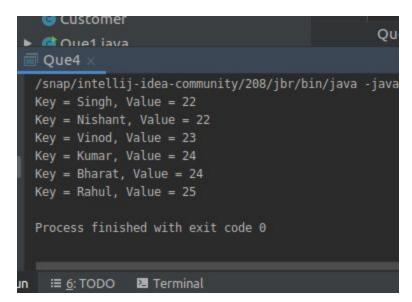
2. Write a method that takes a string and returns the number of unique characters in the string.

```
| Que2 x | /snap/intellij-idea-community/208/jbr/bin/java -javaagent:/snap/intellij-idea-communit number of unique characters in vinod kumar singh : 14 | Process finished with exit code 0
```

3. Write a method that takes a string and print the number of occurrence of each character characters in the string.



4. Write a program to sort HashMap by value.



5. Write a program to sort Employee objects based on highest salary using Comparator. Employee class{ Double Age; Double Salary; String Name

```
/snap/intellij-idea-community/208/jbr/bin/java -javaag sorting by salary bharat 20 15000.0 rahul 22 25000.0 vinod 25 45000.0
```

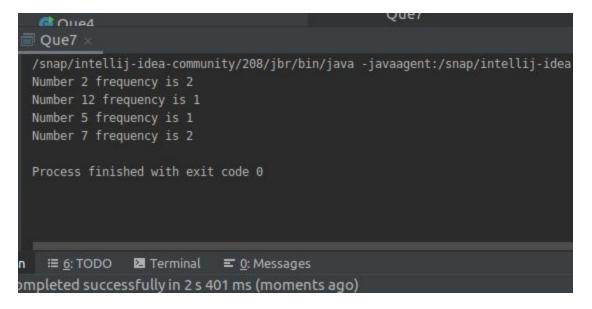
6. Write a program to sort the Student objects based on Score , if the score are same then sort on First Name . Class Student{ String Name; Double Score; Double Age

```
Jn: Que6

/snap/intellij-idea-community/208/jbr/bin/java -javaagent:/snap/in
Shivam kumar 21.0 75.0
vinod singh 23.0 89.0
Himesh Sharma 20.0 90.0

Process finished with exit code 0
```

7.Print the elements of an array in the decreasing frequency if 2 numbers have same frequency then print the one which came first.



8. Design a Data Structure SpecialStack that supports all the stack operations like push(), pop(), isEmpty(), isFull() and an additional operation getMin() which should return minimum element from the SpecialStack. (Expected complexity O(1))