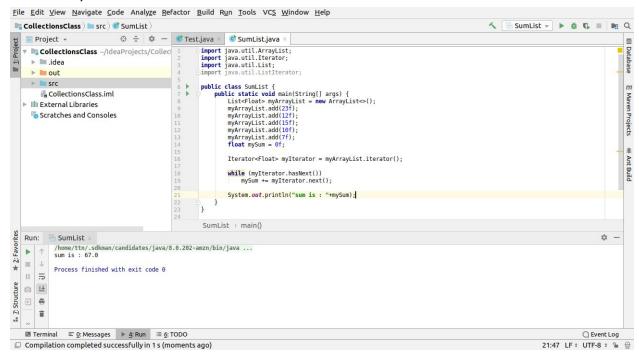
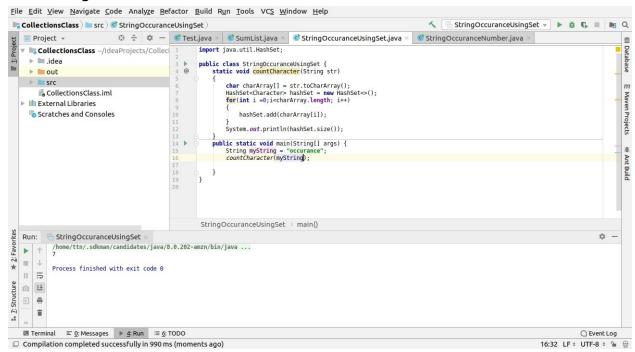
## **Collections Assignment**

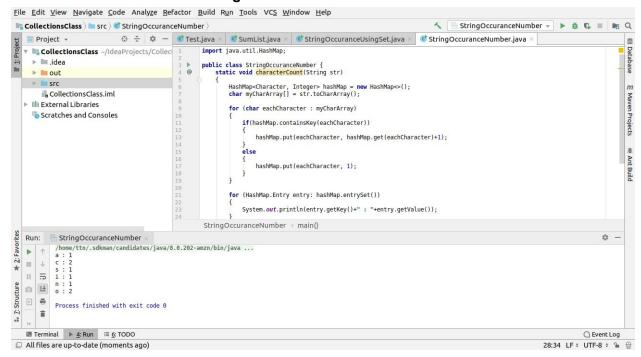
1. Write Java code to define List . Insert 5 floating point numbers in List, and using an iterator, find the sum of the numbers in List.



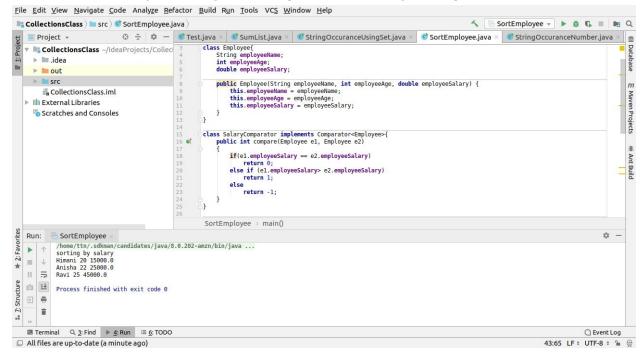
2. Write a method that takes a string and returns the number of unique characters in the string.



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 Employee objects based on highest salary using Comparator. Employee class{ Double Age; Double Salary; String Name



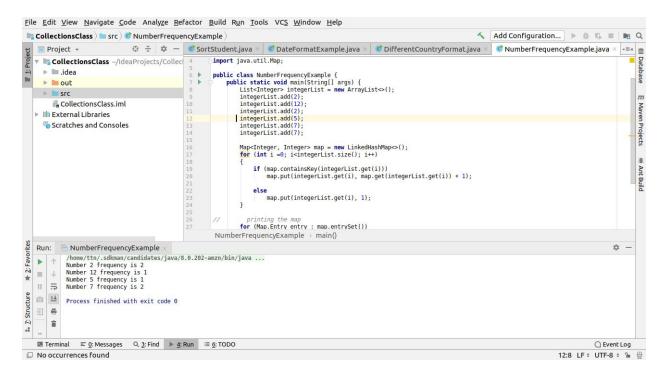
5. Write a program to sort the Student objects based on Score , if the score are same then sort on First Name . Class Student{ String Name; Double Score; Double Age

```
<u>F</u>ile <u>E</u>dit <u>V</u>iew <u>N</u>avigate <u>C</u>ode Analyze <u>R</u>efactor <u>B</u>uild <u>Run <u>T</u>ools VC<u>S W</u>indow <u>H</u>elp</u>
□ CollectionsClass > □ src > ② SortStudent.java
                                                                                                                                                                                                SortStudent → 🏓 🖏 🖫 📭 🔾
                                          🕲 😤 💠 — 🎯 Test.java × 😻 SumList.java × 🨻 StringOccuranceUsingSet.java × 😻 SortEmployee.java × 😻 SortStudent.java ×
                                                                                                                                                                                                                                                 Database
     CollectionsClass ~/IdeaProjects/Collect
                                                                               public Student(String studentFirstName, String studentLastName, Double studentAge, Double studentScore) {
    this.studentFirstName = studentFirstName;
    studentLastName = studentLastName;
    this.studentAge = studentAge;
    this.studentAge = studentAge;
    this.studentAge = studentAge;
}
      ▶ ■ idea
     ▶ ■ out
    ► Src
                                                                                                                                                                                                                                                 E Maven Projects
           Collections Class.iml
    ► Illi External Libraries
                                                                         class ScoreAndFirstNameComparator implements Comparator<Student> {
    public int compare(Student s1, Student s2)
    {
       Scratches and Consoles
                                                                                     if(s1.studentScore > s2.studentScore)
                                                                                     else if (sl.studentScore < s2.studentScore)
return -1;
                                                                                    else
return sl.studentFirstName.compareTo(s2.studentFirstName);
                                                                         public class SortStudent {
    public static void main(String[] args) {
                                                                          SortStudent > main()
    Run:
              SortStudent
                                                                                                                                                                                                                                        $ -
                 /home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
Divya Arora 23.0 85.0
     •
     н
                 Himani Sharma 20.0 90.0
Shivani Gulati 21.0 90.0
     Ⅱ 등
Z: Structure
                Process finished with exit code 0

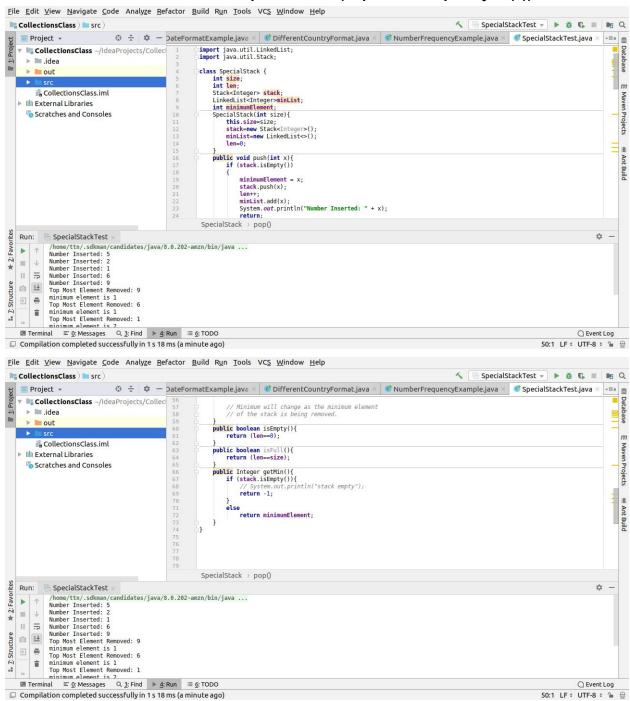
    □ ±

          î
     ■ Terminal \equiv \underline{0}: Messages Q \underline{3}: Find \blacktriangleright \underline{4}: Run \equiv \underline{6}: TODO
                                                                                                                                                                                                                                C Event Log
                                                                                                                                                                                                                 39:72 LF + UTF-8 + 🚡 🚇
☐ Compilation completed successfully in 1 s 4 ms (moments ago)
```

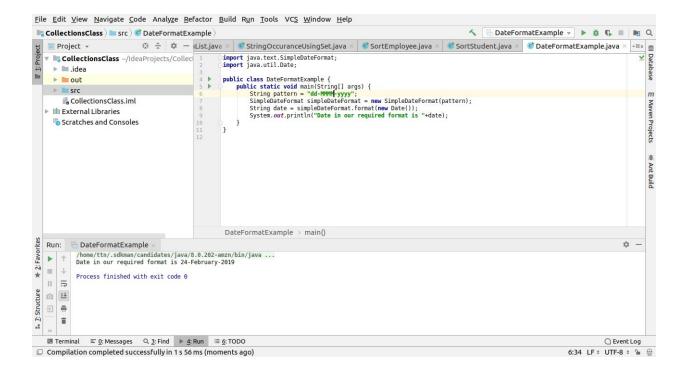
6. Print the elements of an array in the decreasing frequency if 2 numbers have same frequency then print the one which came first.



7. 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))



8. Write a program to format date as example "21-March-2016"



## 9. Write a program to display times in different country format.

