

Coding challenge - Streams

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Concept

→ Streams

Problem Statement - 1

Consider the Employee class as shown

```
public class Employee {  
    public int id;  
    public String name;  
    private int sal;  
    private double yearsInOrg;  
    private String role;  
    private String gender;  
  
    public Employee(String name, int id, int sal, double years, String role, String gender) {  
        this.id = id;  
        this.name = name;  
        this.sal = sal;  
        this.yearsInOrg = years;  
        this.role = role;  
        this.gender = gender;  
    }  
    // Getters and setters  
}
```

For a set of employees, print the details for the following scenarios

- Employees whose role is TA
- Count of female employees

Problem Statement - 2

Write a java program using Stream API to count strings whose length is greater than three.

Problem Statement - 3

Write a java program using Stream API to convert the Strings from lower to uppercase

Problem Statement - 4

Write a java program using Stream API to sort the 10 Strings stored in a list ?

Problem Statement - 5

Write a java program using Stream API to create a List of square of all distinct numbers